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EDITED BY

WILLIAM T. HARRIS, A. M., LL. D.

Volume XLII

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DEPARTMENT OF PEDAGOGY AND PSYCHOLOGY,
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DR. HENRY BARNARD,

THE FIRST UNITED STATES COMMISSIONER OF EDUCATION,

WHOSE ACTIVITY IN

THE PUBLICATION OF GOOD EDUCATIONAL LITERATURE

COVERS MORE THAN HALF A CENTURY,

THIS BIBLIOGRAPHY OF EDUCATION IS DEDICATED

WITH THE ESTEEM AND GRATITUDE OF

THE AUTHOR.

EDITOR'S PREFACE.

In the classification of works on education adopted by me in this series, I have made four general divisions—the first containing History of Education; the second, Educational Criticism; the third, Systematic Theories of Education; the fourth, the Art or Practice of Education. The classification adopted in this bibliography of works in the English language relating to education includes twenty-two different groups. The following scheme will show how these several groups arrange themselves under the four classes named:

First division, History of Education, containing original systems as expounded by their founders, critical histories (besides reports of systems, annual catalogues, educational journals, reports of educational conferences, reports of educational exhibits).

Under this head will fall Class II, history of education; Class XIX, books devoted to the school systems of the several countries; Class XX, reports of educational conferences and exhibits; Class XXI, annual and other reports of national, state, and city systems; Class XXII, educational journals, domestic and foreign. (These journals are in the nature of chronicles and therefore belong under this class of history.)

Under the second division, Educational Criticism, containing first the original works of educational reformers like Pestalozzi and Comenius, and, second, the histories of pedagogy written from critical standpoints, come many works which are included by Prof. Monroe under the second group, the History of Education, and also many works scattered under various other groups in the catalogue.

The third division, Systematic Treatises on the Theory of Education, includes the books under Group III, theory of education; Group IV, principles and practice of teaching; Group XI, manual training; Group XII, philosophy; Group XIII, psychology; Group XIV, moral education; and Group XV, physical education and school hygiene.

The fourth division, the Art of Education, will include Group V, methods of instruction; Group VI, school management; Group VII, kindergarten; Group VIII, education of colored children; Group IX, education of special classes, such as the blind and deaf; Group X, professional education; Group XVI, education of women; Group XVII, self-culture and home education; Group XVIII, sociological aspects of education.

A complete bibliography of education would necessarily include that most numerous class of all educational publications—namely, the text-books. Text-books, however, do not find their way into public libraries to any considerable extent, and it is obvious that a complete list of such works would fill several volumes of a library catalogue. Text-books would be classified under Division IV, Methods of Instruction and Discipline, and in the present work under Group V.

Another large mass of educational publications is formed by the catalogues and annual reports of separate institu-

tions. A complete catalogue of these documents, as found in a national bureau of education, would contain more than two hundred thousand separate titles.

It is obvious that the classification employed for the International Educational Series of volumes for professional teachers would not be serviceable in a general catalogue of a library of education. The teacher wishes to read the history of his theme and to study carefully the views of the great critics of education, and after that to make himself acquainted with systematic treatises on the theory of education, and finally he will specialize and study the methods of organization and management in some particular line chosen by himself. Works of a special character as textbooks and catalogues do not find place in the series.

The publishers take pleasure in presenting this volume of Prof. Monroe to the educational public, confident that it will prove to be of great use to normal schools, training schools for teachers, and to educational lecturers and all special students seeking to acquaint themselves with the literature of any particular department of education. It will be of especial value to librarians in the way of assisting them to answer two questions: (*a*) What books has this library on any special educational theme? (*b*) What books ought it to obtain to complete its collection in that theme?

WILLIAM T. HARRIS.

WASHINGTON, D. C., *August 9, 1897.*

AUTHOR'S PREFACE.

THE literature of education is now admittedly large and is growing daily. In the Central Pedagogical Library at Leipzig, founded twenty-five years ago in honor of Comenius, there are 66,604 books and pamphlets on the subject of education. The Musée Pédagogique at Paris, founded in 1879 by the French Government, contains 50,000 pedagogical books. The national pedagogical libraries of Belgium, Switzerland, and Russia each contain over 15,000 volumes. In the city of Berlin there are two such special libraries—the one containing 16,000 and the other 14,500 volumes. In the South Kensington Museum in London there are 10,500 books on the subject of education; and the Teachers' Guild of Great Britain and Ireland has a pedagogical library of more than 6,000 volumes.

In America no less than in Europe there has been marked development in the collection of books on education. The library connected with the Bureau of Education at Washington has over 50,000 books and 150,000 pamphlets on education and subjects more or less directly allied to education. Movements have recently been organized to establish State educational libraries in Massachusetts and New Jersey, and county libraries in New Jersey and California. Colleges and universities are segregating the books in their collections bearing on education, and giving special attention to the acquisition of pedagogical books. These activities make possible and desirable the publication of a systematic Bibliography of Education.

More than sixteen years ago the author began the collec-

tion of an educational library. Its growth was not rapid, and the character of the books such as the needs of a busy teacher and superintendent of schools might require. Five years ago the collection—then numbering about twelve hundred books and pamphlets—was catalogued with a view to publication as suggestive to others engaged in educational work; but it seemed expedient to enlarge the scope and include other desirable and available books and pamphlets bearing on the subject. And in this form the work is now presented. It contains in all the titles of 3,200 books and pamphlets.

Except in the matter of works of reference—encyclopædias and bibliographies—the selection has been limited to publications in the English languages supposed to be obtainable in the ordinary course of trade. The numerous excellent bibliographies in the French and German made the inclusion of titles in these languages unnecessary. But the standard foreign works of reference have been given; and to such readers as desire to consult the large and rich educational literature of France and Germany, the author has pointed to sources of information. As much care has been taken to secure the titles of British books as of American, in the belief that it is helpful to teachers in all English-speaking countries to know the best books on education in the mother tongue, without regard to political boundaries.

The periodical literature is both too large and too distinct to be included in such a bibliography. To give merely the most important periodical references on the different subjects treated in this book would make a work of four or five good-sized volumes. Moreover, a satisfactory bibliography of periodical literature can only be made by a large number of specialists working together.

For convenience and economy of space, the titles have been grouped into classes and these broken into sections and subsections. Any plan of classification is necessarily more or less artificial, and the justification of the classification of the present book is the fact that it is based upon the materials with which the author had to deal. A book con-

taining matter belonging to two or more classes was placed where it seemed to have the largest bearing, and no title was repeated. But cross references have been given to show where such related subjects may be found. The full index at the end of the book must be the reader's chief guide.

The author wishes to express his obligations to other bibliographies of education which have helped him, especially Hall's, MacAlister's, and Sonnenschein's. Willing tribute is also paid to the university, public, and special libraries where he has worked in the preparation of the present book —to the university libraries of Stanford, Harvard, and Clark in this country, and Jena, Paris, and Leipzig in Europe; to the Boston Public Library, where the work was completed; as well as to the British Museum, the library of the Musée Pédagogique in Paris, and the Pädagogische Centralbibliothek (Comenius-Stiftung) in Leipzig.

To Dr. Henry Barnard, to whom the book is dedicated, and whose activity in the publication of good educational literature covers more than a half century, the author is under larger obligation than to any other one person. In Dr. Barnard's home and under the inspiration of his kindly direction the author received his best lessons in the literature of education.

Numerous friends—specialists in their several departments—have examined different portions of the book, and in many instances suggested additions or omissions, and given important descriptive and critical notes. The author's thanks are especially due to Dr. William T. Harris, United States Commissioner of Education; Professor Earl Barnes, of Stanford University; President Walter L. Hervey and the members of the faculty in the Teachers' College, New York; Mr. Alex E. Frye, Geographer, Boston; Professor Fred N. Scott, of the University of Michigan; Mr. Joseph C. Gordon, Acting Superintendent of the Volta Bureau, Washington; Dr. George E. Shuttleworth, Director of the Ancaster House for Mentally Deficient Children, Richmond, England; Director M. Anagnos, of the Perkins Institution for the Blind, South Boston; Professor Mary Sheldon

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The author is aware that deficiencies and omissions will be discovered; but the preparation of an accurate and complete bibliography is no easy task. As Anthony à Wood has so well expressed it: "A painfull work it is, I'll assure you, and more than difficult, wherein that toyle hath been taken as no man thinketh, and no man believeth, but he that hath made the triall." And he will be duly grateful for corrections sent him and for any additional titles which should be included in such a bibliography.

WILL S. MONROE.

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Wattles (John D.), 1031 Walnut St., Philadelphia.
Werner (Edgar S.), 108 E. 16th St., New York.
Werner School Book Co., 160 to 174 Adams St., Chicago.
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Whittaker & Co., 2 White Hart St., Paternoster Square, London.
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BIBLIOGRAPHY OF EDUCATION.

I. WORKS OF REFERENCE.

a. Bibliographies.

1. American and English.

Bardeen, C. W. Catalogue of rare books on pedagogy, to which is appended a list of three hundred standard works. pp. 58. Bardeen: Syracuse, 1891.

Brown, Elmer E. Catalogue of the books in the pedagogical section of the library [University of California]. pp. 66. Berkeley, 1894.

Catalogue of the educational division of the South Kensington museum. pp. xx + 618 + 55. London, 1876.

Catalogue of the library of the college of preceptors. pp. 175. London, 1891.

Catalogue of the pedagogie portion of the library of the teachers' guild of Great Britain and Ireland. pp. 75. London, 1892.

Hall, G. Stanley, and **Mansfield, John M.** Hints toward a select and descriptive bibliography of education. pp. 309. Heath: Boston, 1893.

Harris, William T. Publications of the U. S. bureau of education from 1867 to 1890, with subject index. pp. 98. Bu. of Ed.: Washington, 1891.

Fletcher, William I. Analytical index to Barnard's American journal of education. pp. 128. Bu. of Ed.: Washington, 1892.

King, A. Catalogue of the books on education in the educational division of the South Kensington museum. pp. viii + 234. London, 1893.

MacAlister, James. Catalogue of the pedagogical library and the books of reference in the office of the superintendent of public schools, board of education, Phila. pp. 184. Published by the board: Phila., 1887.

MacAlister, James. Supplement to the catalogue of the pedagogical library and the books of reference in the office of the superin-

tendent of public schools, board of education, Phila. pp. 47. Published by the board: Phila., 1890.

Monroe, Will S. A pedagogical library. Reprinted from the Pacific educational journal. pp. 16. Fisher: Oakland, 1892.

Ross, G. W., editor. Catalogue of the books relating to education and educational subjects in the library of the educational department of Ontario [Canada]. pp. 86. Warwick: Toronto, 1886.

Sonnenschein, W. S. The best books. A reader's guide to the choice of the best available books (about 50,000). pp. 1009. Putnam: N. Y., 1891.

Section XIV (pp. 270 to 303) devoted to education. Other sections devoted to philosophy, psychology, history, geography, and other subjects related to education.

Sonnenschein, W. S. A reader's guide to contemporary literature: being the first supplement to the best books. pp. 775. Putnam: N. Y., 1895.

2. French and German.

Beeger, Julius. Katalog der pädagogischen Centralbibliothek (Comeniusstiftung) zu Leipzig. pp. 224. Leipzig, 1892.

This is the first part of the catalogue of what is probably the largest collection of pedagogical books in the world. The library numbers over 66,000 volumes; but it is by no means so select or useful a collection of books as that in the library connected with the Musée Pédagogique at Paris. The books are almost entirely German.

Bonet-Maury. Musée pédagogique et bibliothèque centrale de l'enseignement primaire: catalogue des ouvrages et documents. Two vols. and a supplement. Imprim. nationale: Paris, 1886–89.

This is the best bibliography of education and the fullest ever made in any language. It contains 50,000 titles of pedagogical books in the different European languages, but largely, of course, in French.

Buisson, Ferdinand, editor. Repertoire des ouvrages pédagogiques du xvi siècle. pp. 733. Hachette: Paris.

Hunziker, O. Katalog der Bibliothek des Pestalozzianums zu Zürich. pp. 132. Rüegg: Zürich, 1894.

A good collection of pedagogical books—mainly German—and especially strong in the literature of Pestalozzi.

Schott, G. E. Handbuch der pädagogischen Literatur der Gegenwart. Three parts. Leipzig, 1871.

b. Encyclopædias.

1. American and English.

Barnard, Henry, editor. The American journal of education, 31 vols. Published by the editor, Hartford, 1855 to 1881.

"Probably the most valuable educational periodical ever published in any language, now constituting a vast cyclopædia of information on many, if not on most topics connected with education."—G. Stanley Hall.

Butler, Nicholas Murray, editor. The great educators, 8 vols. Others in preparation. Scribner: N. Y., 1892 to date.

The volumes of this series include not merely biographies, but concise accounts of some of the leading movements in the history of education.

Harris, William T., editor. International educational series, including works on historical, critical, theoretical, and practical education, 40 vols. Others in preparation. Appleton: N. Y., 1887 to date.

A valuable series. Contains many of the best works, new and old, bearing on educational literature.

Heath's pedagogical library, 28 vols. Others in preparation. Heath: Boston, 1886 to date.

Covers a wide range of educational thought, including the history, theory, and methods of teaching.

Kiddle, Henry, and **Schem, Alexander J.** The cyclopædia of education. pp. 858. Steiger: N. Y., 1877.

"Deals almost exclusively with American and British subjects; somewhat restricted in scope; the statistical part of chief value."—Sonnenschein.

Kiddle, Henry, and **Schem, Alexander J.** Dictionary of education. N. Y., 1881.

Abridgment of the cyclopædia of education.

Kiddle, Henry, and **Schem, Alexander J.** The yearbook of education for 1878. pp. 420. Steiger: N. Y., 1878. The same for 1879. pp. 566.

Supplements to the cyclopædia of education.

Sonnenschein's cyclopædia of education. A handbook of reference on all subjects connected with education (its history, theory, and practice), comprising articles by eminent educational specialists. Edited by Alfred Ewen Fletcher. pp. 562. Sonnenschein: London, 1892.

The best small alphabetical cyclopædia of education; contains a select bibliography of pedagogy.

2. French and German.

Buisson, Ferdinand. Dictionnaire de pédagogie, et d'instruction primaire, 3 vols. Hachette: Paris, 1882 to 1887.

An able work, uniformly strong throughout. Later and in most respects better than the German encyclopædias.

Lindner, G. A. Encyclopädisches Handbuch der Erziehungskunde mit besonderer Berücksichtigung des Volksschulwesens. pp. 1039. Leipzig: 1884.

"By far the best alphabetic encyclopædia in one volume, although one seeks in vain for many leading topics."—G. Stanley Hall.

Mann, Friedrich. Bibliothek pädagogischer Klassiker: eine Sammlung der bedeutendsten pädagogischen Schriften, älterer und neuerer Zeit, 32 vols. Others in preparation. Beyer: Langensalza.

Raymond, D. Dictionnaire d'éducation publique et privée. [Nouvelle encyclopédie theologique.] pp. 1711. Paris: 1865.

Rein, W. Encyclopädisches Handbuch der Pädagogik, 4 vols. Beyer: Langensalza.

Two volumes have appeared, and the others are in preparation. The latest German encyclopædia of education.

Schmid, K. A. Encyclopädia der gesammten Erziehungs- und Unterrichtswesens, 11 vols. Besser: Gotha, 1859–70. New edition, 1876–1887, 10 vols.

This is the most comprehensive encyclopædia of education ever printed. Valuable chiefly in the study of the history of education.

Schmid, K. A. Pädagogisches Handbuch für Schule und Haus, 2 vols. pp. 948, 1347. Leipzig, 1883.

This is a compilation from the large eleven-volume work.

II. HISTORY OF EDUCATION.

a. Early Oriental Nations.

See also: III, *a*; XIX, *c*.

Arbuthnot, F. F. Persian portraits: a sketch of Persian history, literature, and politics. pp. 170. Bernard: London, 1887.

Carus, Paul. The gospel of Buddha according to old records. pp. 275. Chicago, 1895.

Dabistan, or school of manners. Translated from the Persian by David Shea and Anthony Troyer. pp. cxcvii + 380. Paris, 1843.

Da Groot, J. J. M. The religious system of China. Leyden, 1894.

Edersheim, A. Sketches of Jewish social life in the days of Christ. pp. 338. London, 1876.

Fenton, John. Early Hebrew life. Sonnenschein: London, 1880.

Contains an account of education among the ancient Jews.

Hager, J. An explanation of the elementary characters of the Chinese. pp. 43. London, 1801.

Kingsley, Charles. Alexandria and her schools. pp. 132. London, 1885.

Kwang-tse. Chuang Tzŭ, mystic, moralist, and social reformer Translated from the Chinese by H. A. Giles. London, 1889.

Laurie, S. S. Historical survey of pre-Christian education. pp. 436. Longmans: London, 1895.

The most comprehensive work available in English. Very satisfactory accounts of the educational ideals of the Arabs, Babylonians, Assyrians, Hebrews, Chinese, Hindoos, and Persians.

Leipzeiger, Henry M. The education of the Jews. Educational monographs. pp. 39. N. Y., 1890.

Lyon, D. G. Jewish contributions to civilization. pp. 15. Boston, 1893.

Martin, W. A. P. The Chinese, with their education, philosophy, and letters. pp. 319. Harper: N. Y., 1881.

Maspero, G. The dawn of civilization. pp. 800. London, 1894.

Copiously illustrated and containing much material bearing on education among the ancient Egyptians and Chaldeans.

Maspero, G. Life in ancient Egypt and Assyria. pp. 376. Chapman: London, 1891.

Contains a chapter on Assurbanipal's library.

Ragozin, Zénaïde, A. The story of Media, Babylon, and Persia: including a study of the Zend-Avesta or religion of Zoroaster. pp. 447. Putnam: N. Y., 1888.

Rawlinson, George. Moses: his life and times. pp. 205. Nisbet: London [1887].

Chapter iv contains an account of Egyptian education.

Spiers, B. The school system of the Talmud. pp, 48. Trübner: London, 1882.

Williams, S. Wells. The middle kingdom, chapters ix to xii, vol. i, pp. 519–723, education and literature of the Chinese. Scribner, New York, 1883.

Xenophon. The Cyropædia. Translated by J. S. Watson. Bohn library. London, n. d.

A good authority on education among the Persians and Spartans.

b. European.

1. General.

See also: III, *a* and *b*; XII, *b*.

Allen, Jerome. Historic outlines of education. pp. 42. Kellogg: N. Y., 1895.

Barnard, Henry. National education in Europe. Norton: N. Y., 1854.

Bennett, C. W. History of the philosophy of pedagogics. pp. 43. Bardeen: Syracuse, 1893.

Browning, Oscar. An introduction to the history of educational theories. pp. 199. Harper: N. Y., 1888.

Clarke, James Freeman. Ten great religions. pp. 528. Osgood: Boston, 1871.

Compayré, Gabriel. The history of pedagogy. Translated by W. H. Payne. pp. 598. Heath: Boston, 1886.

Denison, G. A. Schools of Christendom. pp. 79. London, 1886.

Donaldson, James. A history of education. Murray: London, 1895.

Hobhouse, W. Theory and practice of ancient education. pp. 55. Oxford, 1885.

Draper, John William. History of the intellectual development of Europe, 2 vols. pp. 438, 435. Harper: N. Y.

Not intended primarily as a history of education, but one of the best general surveys.

Hailmann, W. N. History of pedagogy. pp. 130. Am. Book Co.: N. Y., 1894.

Painter, F. V. N. A history of education. pp. 335. Appleton: N. Y., 1887.

Payne, Joseph. Lectures on the history of education, with a visit to German schools. Edited by Joseph Frank Payne. pp. 313. Longmans: London, 1892.

"Fragmentary and unmethodical, but not without certain value."—Sonnenschein.

Payne, W. H., editor. A short history of education. pp. 105. Bardeen: Syracuse, 1881.

A reprint of Oscar Browning's article in the encyclopædia Britannica.

Philobiblius. History of education. pp. 310. Barnes: N. Y., 1859.

Contains a valuable introduction by Henry Barnard.

Reinhart, J. A. History of education. pp. 77. Kellogg: N. Y., 1895.

Smith, H. I. History of education, ancient and modern. pp. 340. Harper: N. Y., 1845.

2. Ancient Greece and Rome.

See also: III, *a*; XIX, *b*, 5.

Becker, W. A. Charicles, or illustrations of the private life of the ancient Greeks. pp. 512. London, 1866.

Butcher, S. H. Some aspects of Greek genius. pp. 396. Macmillan: N. Y., 1891.

Capes, W. W. University life in ancient Athens. pp. 171. Harper: N. Y., 1877.

Clarke, George. The education of children at Rome. pp. 168. Macmillan, N. Y., 1896.

Davidson, Thomas. Aristotle and the ancient educational ideals. pp. 256. Scribner: N. Y., 1892.

"I know nothing in English that covers the field of Greek education so well."—G. Stanley Hall.

Davidson, Thomas. The education of the Greek people and its influence on civilization. pp. 229. Appleton: N. Y., 1894.

A valuable contribution.

Jebb, R. C. Attic orators, 2 vols. Macmillan: London, 1876.

Lane, Fred. H. Elementary Greek education. pp. 85. Bardeen: Syracuse, 1895.

Mahaffy, J. P. Old Greek education. pp. 144. Harper: N. Y., 1882.

Wilkins, A. S. National education in Greece in the fourth century B. C. pp. 167. Isbister: London, 1873.

"Comprises a succinct view of the educational theories of Plato and Aristotle."—Sonnenschein.

3. Early Christians and Middle Ages.

Berrington, Joseph. History of the lives of Abelard and Héloise: comprising a period of eighty-four years, from 1079 to 1163. pp. 498. Small: Phila., 1819.

Bryce, James. The holy Roman empire. N. Y., 1887.

Compayré, Gabriel. Abelard and the origin and early history of universities. pp. 315. Scribner: N. Y., 1893.

Drane, Augusta T. Christian schools and scholars, or sketches of education from the Christian era to the council of Trent. Second edition. pp. 738. Burns: London, 1881.

Duruy, Victor. A history of the middle ages. Translated by E. H. and M. D. Whitney. N. Y., 1891.

Eginhard. Life of Charlemagne. pp. 83. Harper: N. Y. [1880].

One of the best accounts of the educational conditions of that period.

Emerton, E. Mediæval Europe [814–1300]. pp. 607. Ginn: Boston, 1894.

Contains a chapter on the intellectual life.

Frayer, A. C. Llantivit Major: views. Stock: London, 1893.

An account of the educational activities in Wales during the fifth century.

Gairdner, James. Early chroniclers of Europe: England. pp. 328. Pott: N. Y. [1883].

Contains Asser's life of Alfred the Great, with an account of the method of teaching at that time.

Gladstone, Wm. E. The Romanes lecture, 1892: an academic sketch. Clarendon press: Oxford, 1892.

Gives a historical sketch of the university of Oxford.

Healy, John. Insula sanctorum et doctorum. pp. 621. Sealy: Dublin, 1890.

An exhaustive account in English of the schools and scholars of Ireland from the time of St. Patrick to the Anglo-Norman invasion.

Kirkpatrick, John. The octocentenary festival of the university of Bologna, 1888. pp. 141. Thin: Edinburgh, 1888.

Lacroix, Paul. Science and literature in the middle ages. Appleton: N. Y., 1877.

Contains much excellent material bearing on the intellectual activities of the times.

Laurie, S. S. The rise and early constitution of universities, with a survey of mediæval education. pp. 293. Appleton: N. Y., 1887.

An excellent account of educational activities during the middle ages.

Lyte, H. C. Maxwell. A history of the university of Oxford, from the earliest times to the year 1530. pp. 504. Macmillan: London, 1886.

Mullinger, James Bass. The schools of Charles the Great, and the restoration of education in the ninth century. pp. 193. Longmans: London, 1877.

Newman, John Henry. Rise and progress of universities. Pickering: London, 1872.

Ozanam, A. F. History of civilization in the fifth century, 2 vols. Allen: London, 1867.

Parker, James. The early history of Oxford [720–1100]. Oxford his. soc.: Oxford, 1884.

Contains a full account of all existing records, especially the Domesday survey.

Rashdall, Hastings. The universities of Europe in the middle ages, 2 vols. Clarendon press: Oxford, 1895.

Contents: Salerno, Bologna, Paris, Italy, Spain, France, Germany, Scotland, Oxford, Cambridge student life. A scholarly work.

Symonds, J. A. A short history of the renaissance in Italy. pp. 354. Scribner: N. Y., 1893.

Contains good accounts of the revival of learning, literary society at Florence, men of letters at Rome and Naples, the fine arts, and the revival of the vernacular literature.

Tacitus. Works [Bohn's classical library], 2 vols. Bell: London, 1887.

Vol. ii contains the history, situation, manners, and inhabitants of Germany. Some excellent material bearing on the intellectual condition of the people at the beginning of the Christian era.

Townsend, W. J. The great schoolmen of the middle ages: an account of their lives and the services they rendered to the church and the world. pp. 361. Hodder: London, 1881.

West, Andrew F. Alcuin and the rise of the Christian schools. pp. 205. Scribner: N. Y., 1892.

"Combines careful scholarly investigation with popularity."—George Trumbull Ladd.

4. Modern.

See also: III, *b*; VII, *a*; X; XII, *b*; XIX, *b*.

Adams, W. H. D. Good Samaritans: or biographical illustrations of the law of human kindness. pp. 403. Sonnenschein: London, 1883.

Gives an account of works and workers in the educational field—Colet, Ascham, Mary Montagu, Swift, Lancaster, Bell, Oberlin, and Arnold.

Barnard, Henry. English pedagogy. First and second series, 2 vols. pp. 608, 608. Hartford, 1876.

Barnard, Henry. German pedagogy. pp. 916. Hartford, 1876.

Barnard, Henry. Memoirs of eminent teachers and educators of Germany. pp. 586. Brownell: N. Y. [1863].

Bell, A. Mutual tuition and moral discipline. Roake: London, 1823.

An account of the monitorial system so common in England at the beginning of this century, and yet lingering to a limited extent in the "pupil-teacher" practice.

Boyd, A. K. H. Twenty-five years of St. Andrews, 1865 to 1890, 2 vols. Longmans: London, 1892.

Browning, Oscar. Aspects of education. pp. 63. Kellogg: N. Y., 1892.

Four brief but critical essays on humanism, realism, and the English public school.

Bullock, John M. A history of the university of Aberdeen, 1495–1895. pp. 220. Hodder: London, 1895.

Burckhardt, J. G. Civilization of the period of the Renaissance in Italy. Sonnenschein: London, 1890.

Clark, Andrew, editor. The colleges of Oxford: their history and traditions. pp. 480. Methuen: London, 1891.

Conrad, J. The German universities for the last fifty years. pp. 333. Bryce: Glasgow, 1885.

De Garmo, Charles. Herbart and Herbartianism. pp. 268. Scribner: N. Y., 1895.

The best systematic analysis of the Herbartian theory of education in the English language.

Donaldson, James. Lectures on the history of education in Prussia and England. pp. 185. Black: Edinburgh, 1874.

Edgar, John. The history of early Scottish education. pp. 233. Thin: Edinburgh, 1893.

Edinburgh united industrial school: a sketch of its origin, progress, and practical influence. Black: London, 1851.

Emerson, Ralph Waldo. English traits. pp. 312. Boston, 1857.

Contains a chapter on the English universities.

Everett, Wm. On the Cam: lectures on the university of Cambridge in England. pp. 391. Sever: Cambridge, Mass., 1867.

Fitch, J. G. Thomas Arnold and the contemporary development of education in England, with a chapter on the educational influence of Matthew Arnold. Scribner: N. Y., 1897.

Forshall, F. A. Westminster school, past and present. pp. 607. Wyman: London, 1884.

Furnivall, F. J. Education in early England. Trübner: London, 1867.

Gill, John. Systems of education. pp. 312. Heath: Boston, 1887.
Contains one of the best brief accounts of the Bell-Lancaster movement.

Godley, Alfred D. Aspects of modern Oxford. pp. 135. Macmillan: N. Y., 1894.

Grant, Alexander. Story of the university of Edinburgh during its first 300 years, 2 vols. Longmans: 1884.

Grant, James. History of the burgh and parish schools of Scotland. pp. 571. Collins: London, 1870.

Griffith, George. Endowed schools of England and Ireland. Whittaker: London, 1864.

Hailmann, W. N. Sketches from the history of education. pp. 39, Bardeen: Syracuse, 1891.
Contents: Luther, Bacon, Pestalozzi, Girard, Diesterweg, and Fröbel.

Hamlyn, V. W. C. The universities of Europe at the time of the reformation. Shrimpton: Oxford, 1876.

Hanus, Paul H. Rousseau and education according to nature. Scribner: N. Y., 1897.

Hazlitt, William C. Schools, school books, and schoolmasters; a contribution to the history of educational development in Great Britain. pp. 300. Jarvis: London, 1888.

Huber, V. A. The English universities. Translated by F. W. Newman. 2 vols. Pickering: London, 1843.
"A well-known compilation of considerable research, but contains much that is irrelevant, follows no historical order, and is prejudiced."—Sonnenschein.

Jacobson, Herman. German and other foreign universities. pp. 43. Bu. of Ed.: Wash., 1872.

Jourdan, B. A. Improvement in education during the eighteenth and nineteenth centuries. London, 1880.

Kirkpatrick, Edward. The historically received conception of the university considered with special reference to Oxford. pp. 309. Williams: London, 1857.

Lancaster, J. Improvements in education. Darton: London, 1805.
Describes the monitorial system of teaching.

Lang, Ossian H. Great teachers of four centuries. pp. 60. Kellogg: N. Y., 1893.

Leitch, J. Muir. Practical educationists and their systems of teaching. pp. 302. MacLehose: Glasgow, 1875.
Accounts of Locke, Pestalozzi, Bell, Lancaster, Wilderspin, Stow, and Herbert Spencer.

Malden, Henry. On the origin of universities and academical degrees. pp. 173. Taylor: London, 1835.

Mullinger, J. Bass. History of the university of Cambridge [1535 to the accession of Charles I], 2 vols. Cambridge press: Cambridge, 1884.

Munroe, James P. The educational ideal. pp. 268. Heath: Boston, 1895.

Contents: Rabelais, Bacon, Comenius, Montaigne, Locke, the Port Royalists and Fénelon, Pestalozzi, Fröbel, and the women educators. An excellent survey of the historical development of educational principles.

Nichol, H. J. Great scholars. MacNiven: Edinburgh, 1880.

Our public schools. pp. 373. Paul: London, 1881.

Contents: Eaton, Harrow, Winchester, Rugby, Westminster, Marlborough, the Charterhouse, public school education.

Owen, R. D. Outlines of the system of education at New Lanark. Longmans: London, 1824.

Paravincini, Frances de. Early history of Balliol college. pp. 370. Paul: London, 1891.

Paulsen, Friedrich. The German universities, their character and historical development. Authorized translation by E. D. Perry. With an introduction by Nicholas Murray Butler. pp. 254. Macmillan: N. Y., 1895.

The best outline in English of the history and character of German universities.

Pound, W. English education in the nineteenth century. Longmans: London, 1866.

Quick, Robert Hebert. Educational reformers. Only authorized edition of the work as rewritten in 1890. pp. 560. Appleton: N. Y., 1893.

"Admirable tact in the selection of the materials; the 'epoch-making' writers chosen, and the things said and done of permanent value brought forward. Better than all, the running commentary on these materials by Mr. Quick himself."—William T. Harris.

Rogers, J. E. T. Education in Oxford. Smith: London, 1861.

Shuttleworth, James Kay. Four periods of education, as reviewed in 1832, 1839, 1846, 1862. Longmans: London, 1862.

Staunton, Howard. The great schools of England. Strahan: London, 1869.

Stedman, A. M. M. Oxford: its social and intellectual life. pp. 309. Trübner: London, 1878.

Stevens, William. History of the high school of Edinburgh. pp. 610. Bardeen: Syracuse, 1849.

Stubbs, J. W. The history of the university of Dublin, from its foundation to the end of the eighteenth century. Hodges: Dublin, 1889.

Rivington, S. The history of the Tonbridge school from its foundation in 1553 to the present date. Rivington: London, 1869.

Thompson, Joseph. The Owens college: its foundation and growth and its connection with the Victoria university, Manchester. pp. 671. Cornish: Manchester, 1886.

University of Bonn. By a "Member of Middle Temple Bar." Parker: London, 1845.

Williams, Samuel G. The history of modern education: an account of the course of educational opinion and practice from the revival of learning to the present decade. pp. 391. Bardeen: Syracuse, 1892.

"Employs comparative method, and international in scope."—Sonnenschein.

Wood, John. An account of the Edinburgh sessional school. pp. 204. Munroe: Boston, 1830.

c. American.

1. General.

See also: XIX, *a*, 1. XXII, *a*, 1.

Barnard, Henry. First century of national existence: educational development. n. p., n. d.

Barnard, Henry. Memoirs of American teachers and educators. Brownell: N. Y., 1861.

Boone, Richard G. Education in the United States: its history from the earliest settlements. pp. 402. Appleton: N. Y., 1889.

Boutwell, George S. Educational topics and institutions of the United States. Phillips: Boston, 1859.

Brockett, L. P. History and progress of education. Barnes: N. Y., 1859.

Campbell, Douglas. The Puritan in Holland, England, and America: an introduction to American history, 2 vols. Harper: N. Y., 1892.

No general history bears more directly on the history of American education than this. Traces the growth of English, Dutch, and French ideals in America.

Lang, J. D. Religion and education in America. Ward: London, 1840.

Porter, Noah. The educational systems of the Puritans and Jesuits compared. Dodd: N. Y., 1851.

Richardson, Charles F. American literature, 1607–1885: the development of American thought. pp. 535. N. Y., 1887.

Ross, G. W. History of the school system of Ontario. Appleton: N. Y., 1896.

Shaler, N. S., editor. The United States of America: a study of the American commonwealth—its natural resources, people, industries, manufactures, commerce, and its work in literature, science, education, and self-government, 2 vols. Appleton: N. Y., 1894.

Vol. ii contains a chapter on education in the U. S. by William T. Harris.

Tappan, Henry P. The progress of educational development. pp. 51. Ann Arbor, 1855.

Tyler, Moses Coit. A history of American literature: 1607–1765. pp. 330. N. Y., 1878.

Young, G. R. Colonial literature, science, and education. Halifax, 1842.

2. States.

Allen, William F., and **Spencer, David E.** Higher education in Wisconsin. pp. 68. Bu. of Ed.: Wash., 1889.

Bardeen, C. W. History of educational journalism in the state of New York. pp. 45. Bardeen: Syracuse, 1893.

Benedict, George W. New England educational institutions in relation to the American government. pp. 48. Burlington, 1844.

Boone, Richard G. History of education in Indiana. Appleton: N. Y.

Bush, George G. History of higher education in Massachusetts. pp. 445. Bu. of Ed.: Wash., 1891.

Bush, George G. History of education in Florida. pp. 54. Bu. of Ed.: Wash., 1888.

Carter, James G. On the free schools of New England. pp. 123. Cummings: Boston, 1844.

Clark, Willis G. History of education in Alabama. pp. 281. Bu. of Ed.: Wash., 1889.

Conway, M. D. Free schools in Virginia. pp. 36. Fredericksburg: 1850.

Draper, Andrew S. Origin and development of the New York common school system. pp. 48. Lyon: Albany, 1890.

Duncombe, Charles. Report on education in Upper Canada. Reynolds: Toronto, 1836.

Emerson, George B. Education in Massachusetts: early legislation and history. Boston, 1869.

Fortier, Alcée. Louisiana studies: literature, customs and dialects, history and education. New Orleans [1894].

Franklin, Benjamin. Proposals relating to the education of the youth in Pennsylvania. pp. 32. B. Franklin & D. Hall: Phila., 1749.

Hale, H. M., and others. Education in Colorado: a brief history of the early educational interests. pp. 99. Denver, 1885.

Henneman, J. B. Historic elements in Virginia education and literary effort. pp. 22. [Richmond] 1892.

Hodgins, J. George. Documentary history of education in Upper Canada, 2 vols. [Others in preparation.] pp. 331, 358. Warwick: Toronto, 1894.

Johnson, Clifton. The country school in New England. pp. 102. Appleton: N. Y., 1893.

Jones, Charles Edgeworth. Education in Georgia. pp. 154. Bu. of Ed.: Wash., 154.

Knight, George W., and **Commons, John R.** History of higher education in Ohio. pp. 258. Bu. of Ed.: Wash., 1891.

MacDonald, John, editor. Columbian history of education in Kansas. pp. 231. Topeka, 1893.

Martin, G. H. Brief historical sketch of the Massachusetts public school system. pp. 8. Boston, 1893.

Contains a facsimile of the statutes of 1642.

Martin, G. H. Evolution of the Massachusetts public school system. pp. 284. Appleton: N. Y., 1894.

Mayo, A. D. Education in southwestern Virginia. Bu. of Ed.: Wash., 1894.

McCrady, Edward. Education in South Carolina prior to and during the revolution. pp. 54. Charleston, 1883.

McLaughlin, Andrew C. History of higher education in Michigan. pp. 179. Bu. of Ed.: Wash., 1891.

Merriam, L. S. Higher education in Tennessee. pp. 287. Bu. of Ed.: Wash., 1893.

Merriam, L. S. Higher education in Tennessee. pp. 257. Bu. of Ed.: Wash., 1893.

Merriwether, C. History of higher education in South Carolina. pp. 247. Bu. of Ed.: Wash., 1888.

Morgan, Gilbert. Report on public instruction in Pennsylvania. pp. 24. Dorsey: Phila., 1836.

Parker, Leonard F. Higher education in Iowa. pp. 190. Bu. of Ed.: Wash., 1893.

Potter, E. R. An address [on the history of education in Rhode Island]. pp. 26. Whitney: Providence, 1851.

Powell, Lyman P. History of education in Delaware. pp. 186. Bu. of Ed.: Wash., 1893.

Ramage, B. J. Local government and free schools in South Carolina. pp. 40. Baltimore, 1883.

Randall, S. S. History of the common school system of the state of New York: 1795–1870. Ivison: N. Y., 1871.

Russell, A. An account of the eleven thousand schools in the state of New York. pp. 59. Edinburgh, 1847.

This account is in the form of a letter to Sir William Hamilton.

Russell, A. T. History of the common schools of Florida. Tallahassee, 1884.

Salmon, Lucy M. Education in Michigan during the territorial period. pp. 35. George: Lansing, 1885.

Shearman, F. W. System of public instruction and primary school law of Michigan. pp. 640. Lansing, 1852.

Smith, Charles Lee. History of education in North Carolina. pp. 180. Bu. of Ed.: Wash., 1888.

Smith, William L. Historical sketches of education in Michigan. pp. 157. Lansing, 1881.

Smart, James H. The Indiana schools and the men who have worked in them. pp. 239. Wilson: Cincinnati [1876].

Steiner, Bernard C. History of education in Maryland. pp. 331. Bu. of Ed.: Wash., 1894.

Steiner, Bernard C. The history of education in Connecticut. pp. 300. Bu. of Ed.: Wash., 1893.

Sterns, J. W. The Columbian history of education [in Wisconsin]. pp. 720. Milwaukee, 1893.

Stockwell, T. B. A history of public education in Rhode Island. pp. 458. Providence, 1876.

Swett, John. History of the public school system of California. Bancroft: San Francisco, 1876.

Thompson, J. R. Education and literature in Virginia. pp. 39. Richmond, 1850.

Tolman, William Howe. History of higher education in Rhode Island. pp. 210. Bu. of Ed.: Wash., 1894.

Trent, W. P. English culture in Virginia. pp. 141. Baltimore: 1889.

Contains an account of the English professors obtained by Jefferson for the university of Virginia.

Whitford, W. C. Historical sketch of education in Wisconsin. pp. 127. Madison, 1876.

Wickersham, James Pyle. History of education in Pennsylvania, from the time the Swedes settled on the Delaware to

the present day. pp. 683. Inquirer Pub. Co.: Lancaster, 1886.

Contains a vast quantity of rich material. The best state history of education yet written.

Woodburn, James Albert. Higher education in Indiana. pp. 200. Bu. of Ed.: Wash., 1891.

Worcester, S. T. Old and new: or the public schools of Ohio and New Hampshire. pp. 20. Nashua, 1870.

3. Colleges and Universities.

Adams, Charles K. Washington and the higher education. pp. 37. Ithaca, 1888.

Adams, Charles K. Historical sketch of the university of Michigan. pp. 56. Ann Arbor, 1876.

Adams, Herbert B. Thomas Jefferson and the university of Virginia. pp. 308. Bu. of Ed.: Wash., 1888.

Adams, Herbert B. The college of William and Mary: a contribution to the history of higher education, with suggestions for its national promotion. Bu. of Ed.: Wash., 1887.

Alexander, A. Biographical sketches of the founder and principal alumni of the log college. pp. 279. Phila., 1851.

The log college, founded by Wm. Tennent in 1739, was the beginning of Princeton university.

Alexander, S. D. Princeton college during the eighteenth century. pp. 326. Randolph: N. Y. [1872].

Baker, J. M. Colleges in America. Cleveland, 1894.

Baldwin, Ebenezer. History of Yale college to 1838. pp. 343. Noyes: New Haven, 1841.

Battle, K. P. Sketches of the history of the university of North Carolina. pp. 242. [Chapel Hill, N. C.] 1889.

Benedict, Robert D. Charter history of the university of Vermont. pp. 46. Burlington, 1892.

Bodine, W. B. [History of] Kenyon College. pp. 412. [Columbus, Ohio, 1891.]

Carpenter, Stephen H. An historical sketch of the university of Wisconsin from 1849 to 1876. Madison, 1876.

Cleveland and **Packard.** History of Bowdoin college, with biographical sketches: 1806–1879. Boston, 1882.

Demmon, I. N., and others. The semicentennial celebration of the organization of the university of Michigan. pp. 318. Ann Arbor, 1888.

Dexter, F. B. Sketch of the history of Yale university. pp. 108. Holt: N. Y., 1887.

Dexter, F. B. The influence of the English universities in the development of New England. pp. 17. Cambridge, Mass., 1880.

Dexter, F. B. Biographical sketches of the graduates of Yale college, with annals of the college history: 1701–1745. pp. 788. N. Y., 1885.

Durfee, Calvin. A history of Williams college. pp. 432. Williams: Boston, 1860.

Farmer, John. A list of the graduates and those who have received degrees at the several colleges in the states of New York and New Jersey from the foundation of each to 1834. pp. 69. Perkins: Boston, 1838.

Farrand, Elizabeth M. History of the university of Michigan. pp. 309. Ann Arbor, 1885.

Garrett, Philip C., editor. A history of Haverford college for the first sixty years of its existence [1830–1890]. pp. 730. Porter: Phila., 1892.

Goodrich, J. E. The founder of the university of Vermont. pp. 45. [Burlington] 1892.

Guild, Reuben A. Charter of Brown university. pp. 23. [Providence, 1875]

Hageman, J. F. History of Princeton and its institutions. Phila., 1879.

Hill, George Birbeck. Harvard college, by an Oxonian. pp. 327. Macmillan: N. Y., 1895.

"It is sympathetic and fair, without flattering."—Nicholas Murray Butler.

Hough, F. B. Historical and statistical record of the university of the state of New York during the century from 1784 to 1884. pp. 868. Weed: Albany, 1885.

Huntington, C. A. The university of Vermont fifty years ago. pp. 336. Whitney: Burlington, 1892.

Jay, John. Columbia college; her honorable record in the past. pp. 48. N. Y., 1876.

Jefferson, Thomas, and **Cabell, J. C.** Early history of the university of Virginia. pp. 522. Richmond, 1856.

"A work of great historical value, showing how profoundly educational problems were then considered."—G. Stanley Hall.

Jones, William C. Illustrated history of the university of California. pp. 413. Dukesmith: San Francisco, 1895.

Kingsley, William L., editor. Yale college: a sketch of its history, 2 vols. Holt: N. Y., 1879.

Lossing, B. J. Vassar college and its founder. pp. 175. Alvord: N. Y., 1867.

MacLean, John. History of the college of New Jersey from 1746 to 1854, 2 vols. Lippincott: Phila., 1877.

Moore, N. F. An historical sketch of Columbia college. pp. 126. N. Y., 1846.

Norton, C. E., and others. Four American universities. pp. 202. Harper: N. Y., 1895.

Contents: Harvard, Yale, Princeton, Columbia.

Ochsenford, S. E. Muhlenburg college: a history of the college and a record of its men. pp. 584. Allentown, Pa., 1892.

Peirce, Benjamin. A history of Harvard college from its foundation, in the year 1636, to the period of the American revolution. pp. 316, 159. Brown: Cambridge, 1833.

Perkins, F. C. Cornell university: her general and technical course. Wiley: N. Y., 1891.

Quincy, Josiah. The history of Harvard university, 2 vols. pp. 612, 728. Cambridge, 1840.

"The best work on Harvard."—James MacAlister.

Raymond, J. H. Vassar college: a sketch of its foundation, aims, and resources. pp. 78. Green: N. Y., 1873.

Ruffner, Henry. Washington and Lee university [Early history of]. Baltimore, 1890.

Sanford, E. T. Blount college and the university of Tennessee: an historical address. pp. 119. [Knoxville, Tenn.] 1894.

Smith, B. P. History of Dartmouth college. pp. 474. Boston, 1878.

Steiner, Bernard C., and **Gilman, Daniel C.** The history of university education in Maryland and the Johns Hopkins university. pp. 73+14. Baltimore, 1891.

Stow, Sarah D. History of Mount Holyoke seminary during its first half century, 1837–87. pp. 372. [Springfield] Mass., 1887.

Ten Brook, Andrew. American state universities: their origin and progress. pp. 410. Clarke: Cincinnati, 1875.

Gives an account of the congressional university land grants, and discusses chiefly the university of Michigan.

Thayer, W. R. An historical sketch of Harvard university from its foundation to May, 1890. pp. 66. Cambridge, Mass., 1890.

Thomas, J. C. A brief review of the ten years' work of Johns Hopkins university. pp. 15. Baltimore, 1886.

Thorpe, Francis N. Benjamin Franklin and the university of Pennsylvania. pp. 450. Bu. of Ed.: Wash., 1893.

Tyler, L. G., editor. Two hundredth anniversary of the charter of the college of William and Mary. pp. 49. [Richmond, 1894.]

Tyler, W. S. A history of Amherst college from 1821 to 1891. pp. 312. Hitchcock: N. Y., 1895.

Van Amringe, J. H. An historical sketch of Columbia college: 1754–1876. pp. 243. N. Y., 1876.

With an appendix containing the original charter.

Wallace, G. R. Princeton sketches: the story of Nassau hall. pp. 200. Putnam: N. Y., 1893.

Warren, W. F. The origin and progress of Boston university. pp. 64. Boston, 1893.

Willey, S. H. A history of the college of California. pp. 432. Carson: San Francisco, 1887.

White, Moses. Early history of the university of Tennessee. pp. 80. Knoxville, 1879.

Williams College, 1793–1893. pp. 330. Wilson: Cambridge, Mass., 1894.

Winsor, Justin, editor. A record of the commemoration, Nov. 5 to 8, 1886, of the two hundred and fiftieth anniversary of the founding of Harvard college, 2 vols. Wilson: Cambridge, Mass., 1887.

4. Other Institutions.

Adams, Charles Francis. The new departure in the common schools of Quincy. pp. 74. Estes: Boston, 1881.

Association of masters of the public schools of Boston: Remarks on the seventh annual report of Horace Mann. pp. 144. Little: Boston, 1844.

Batchelor, George. History of all the teachers' associations ever established in the city of New York. pp. 48. [N. Y., 1861.]

Boese, T. Public education in the city of New York: progress, condition, statistics. N. Y., 1869.

Bourne, Wm. Oland. History of the public school society in the city of New York. pp. 320. N. Y., 1870.

Brooks, Phillips. The oldest school in America: an oration at the celebration of the two hundred and fiftieth anniversary of the foundation of the Boston Latin school, April 23, 1885. pp. 106. Boston, 1885.

Cliff, G. H. The semicentennial celebration of the Phila. central high school. pp. 52. Phila., 1889.

Cunningham, F. H. Familiar sketches of Phillips Exeter academy. pp. 360. Osgood: Boston, 1883.

Cushing, Thomas. Historical sketch of the Chauncy-hall school: 1828 to 1894. Boston, 1895.

Dillaway, C. K. A history of the grammar school: or the free schools of 1645 in Roxburie. pp. 202. Backup: Roxbury, Mass., 1860.

Dunshee, H. W. History of the schools of the collegiate reformed Dutch church in the city of New York from 1633 to 1883. N. Y., 1883.

Elwell, E. H. The schools of Portland [Maine] from the earliest times to the centennial year of the town, 1886. pp. 37. Portland, 1888.

Harris, William T., and **Richards, Zalmon.** History of the national educational association of the United States. pp. 120+16. Wash., 1892.

Contains classified lists of the subjects discussed at the various meetings.

History of the Hopkins fund, grammar school, and academy in Hadley, Mass. [1657 to 1890]. pp. 198. Amherst, Mass., 1890.

Mann, Horace. Answer to the rejoinder of twenty-nine Boston schoolmasters. pp. 124. Boston, 1845.

Mann, Horace. Reply to the remarks of the thirty-one Boston schoolmasters. pp. 176. Fowle: Boston, 1844.

Monroe, Will S. Joseph Neef and Pestalozzianism in America. pp. 13. Boston, 1894.

Penn, William. Charters of ye publik school founded by charter in ye town and county of Philadelphia in Pennsylvania, 1701, 1708, and 1711. pp. 31. Phila. [1880].

Rejoinder to the reply of the Hon. Horace Mann to the remarks of the association of Boston masters. pp. 55. Boston, 1844.

Seaver, Edwin P., and others. Memorial services in honor of Mrs. Mary Hemenway by the Boston public school-teachers. pp. 97. Ellis: Boston, 1894.

Shiras, Alexander. Our national bureau of education: its history, work, and limitations. pp. 16. Bu. of Ed.: Wash., 1875.

Smith, Edward. History of the schools of Syracuse, N. Y. pp. 347. Bardeen: Syracuse, 1893.

Stone, Edwin M. Mannal of education: a brief history of the Rhode Island institute of instruction. pp. 144. Providence: 1874.

Wightman, Joseph M. Annals of the Boston primary school committee from its first establishment in 1818 to its dissolution in 1855. pp. 305. Rand: Boston, 1860.

d. The Teaching Orders.

1. Jesuits.

Bartoli, Father Daniel. History of the life and institute of St. Ignatius of Loyola, 2 vols. pp. 342, 439. Dunigan: N. Y., 1855.

Bert, Paul. The doctrine of the Jesuits, with a dedication to Monsieur Freppel, bishop of Angers. pp. 612. Bradbury: Boston, 1880.

A statement of the reasons why the Jesuits should not be allowed to become the instructors of youth.

Cartwright, William Thomas. The Jesuits: their constitution and teaching. pp. xix+238. Murray: London, 1876.

Constitutiones societatis Jesu, anno 1558. Reprinted from the original edition, with an appendix containing a translation and several important documents. London, 1838.

Genelli, Christopher. The life of St. Ignatius of Loyola. Benziger: N. Y.

Hughes, Thomas. Loyola and the educational system of the Jesuits. pp. 302. Scribner: N. Y., 1892.

An account of the Jesuits by a member of the order.

Kip, W. I. The early Jesuit missions in North America. N. Y., 1882.

Maynard, Monsieur l'Abbé. The studies and teaching of the society of Jesus. Murphy: Baltimore, 1855.

Parkman, Francis. The Jesuits in North America in the seventeenth century. pp. 463. Little: Boston, 1867.

An account of the efforts of the earlier French Jesuits to convert the Indians.

Ranke, Leopold. The ecclesiastical and political history of the Popes of Rome during the sixteenth and seventeenth centuries. Translated by Sarah Austin. 3 vols. London, 1840.

Verwyst, Chrysostom. Missionary labors of fathers Marquette, Menard, and Allouez. pp. 262. Hoffman: Chicago, 1886.

Donohoe, Thomas. The Iroquois and the Jesuits. pp. 276. Cath. Pub. Co.: Buffalo, 1895.

Hill, Walter H. Historical sketch of the St. Louis university. pp. 260. Fox: St. Louis, 1879.

Contains an account of the origin of the Jesuit society in Missouri.

2. Port Royalists.

Baynes, T. Spencer. The Port Royal logic. Translated with an introduction and notes. Blackwood: London, 1888.

Beard, Charles. Port Royal: a contribution to the history of religion and literature in France, 2 vols. pp. 451, 515. Williams: London, 1873.

A complete and connected narrative of a vital epoch in the history of education.

Courtney, W. L. Studies new and old. London, 1888.

Contains a sketch of Pascal and Jacqueline Pascal.

Cousin, Victor, and others. Jacqueline Pascal, or a glimpse of convent life at Port Royal. With an introduction by W. R. Williams. pp. 318. Carter: N. Y., 1860.

Pavillon, N. Further memories of Port Royal. Simpkin: London, 1869.

Schimmelpennick, Mary A. Port Royal and its saints. Longmans: London, 1855.

Schimmelpennick, Mary A. Select memoirs of Port Royal, 3 vols. pp. 324, 334, 327. Longmans: London, 1858.

A very comprehensive work and surpassed only by the great five-volume work of St. Beuve in the French.

Tollemache, Marguerite. French Jansenists. pp. 256. Paul: London, 1893.

Tregelles, S. P. The Jansenists [Port Royalists]: their rise, persecutions, and existing remnant. Bagster: London, 1851.

Mackaye, Maria E. The abbess of Port Royal and other French studies. pp. 150. Lee: Boston, 1892.

Pascal Blaise. The provincial letters. A new translation with historical introduction and notes by Thomas M'Crie. pp. 470. Derby: N. Y., 1859.

A study of Port Royal and its famous controversy with the Jesuits.

Pascal, Blaise. The thoughts of. Translated by C. Kegan Paul. pp. 362. Paul: London, 1888.

One of the best presentations of the intellectual and spiritual ideals of Port Royal.

3. Other Orders.

Blackmar, F. W. Spanish colonization in the Southwest. pp. 79. Baltimore, 1890.

Contains an account of the social and industrial life of the early Jesuit and Franciscan missions in America.

Day, Samuel P. Monastic institutions: their origin, nature, progress, tendency. Longmans: London, 1865.

Herbermann, C. G., and others. The Columbus memorial volume. pp. 193. Benziger: N. Y., 1893.

Gives an account of the educational activities of the Dominicans, Jesuits, and Franciscans in America.

Lacordaire, J. B. H. Historical sketches of the order of Saint Dominic. N. Y.

Lovat, Lady. Life of Georges de Blois. Burns: London, 1873.

Contains an account of the Benedictine order.

Olyphant, Mrs. Margaret. Life of Francis of Assisi. Macmillan: London, 1877.

Stephens, Sir James. Essays on ecclesiastical biography. Longmans: London, 1867.

Contains a good account of the Benedictine order.

Wilson, Mrs. R. F. The Christian brothers, with a life of their founder, J. B. de la Salle. Paul: London, 1883.

e. Educational Biography.

Abelard and **Heloise.** Edited by Abby Sage Richardson. Boston, 1884.

Agassiz, Louis. His life and correspondence. Edited by Elizabeth Cary Agassiz. 2 vols. pp. 400, 794. Houghton: Boston, 1885.

Alcuin. Life by F. Lorenz. Translated from the German by Jane Mary Slee. Hurst: London, 1837.

Ambrose, St. His life, times, and teaching. By R. Thornton. pp. 215. Pott: N. Y., 1879.

Aristotle, a chapter from the history of science, by George Henry Lewes. pp. 404. Elder: London, 1864.

Contains a very good analysis of Aristotle's scientific writings.

Aristotle and the Christian church. By Brother Azarias. pp. 141. Paul: London, 1888.

Arnold, Thomas. Life and correspondence of, by Arthur Penryhn Stanley. Scribner: N. Y.

Arnold, Dr. Thomas. Life of, by E. J. Worboise. Hamilton: London, 1859.

Ascham, Roger. The whole works of, now first collected and revised with a life of the author by J. A. Giles. 4 vols. pp. 127, 459, 364, 368. Smith: London, 1865.

Vol. i contains a very satisfactory life of Ascham.

Ascham, Roger. A memoir, by Samuel Johnson. pp. 54. Bardeen: Syracuse, 1890.

Athanasius, Saint. His life and times. pp. 252. Young: N. Y., 1888.

Augustine and his companions. By G. F. Browne. pp. 201. Young: N. Y., 1895.

Augustine, St. The life and labors of. Translated from the German of Philip Schaff, by T. C. Porter. pp. 150. Riker: N. Y., 1854.

Augustine, Saint. By William R. Clark. pp. 193. Pott: N. Y., 1878.

Bacon, Francis. By R. W. Church. pp. 214. Harper: N. Y., 1884.

Barnard, Henry. The educational labors of: a study in the history of American pedagogy. By Will S. Monroe. pp. 35. Bardeen: Syracuse, 1893.

Barnard, Henry, the Nestor of American education. By James L. Hughes. pp. 16. Hartford, 1896.

Basedow. Translated from the German of Karl von Raumer. Reprinted from Barnard's American journal of education. pp. 27. Hartford, 1858.

Basedow. His life and educational work, by Ossian H. Lang. pp. 29. Kellogg: N. Y., 1891.

Basil, St., the great. By Richard Travers Smith. pp 233. Pott: N. Y., 1879.

Bede, the venerable. By G. F. Browne. pp. 192. Young: N. Y., 1887.

Bell, Dr. Andrew, an old educational reformer, by J. M. D. Meiklejohn. Blackwood: London, 1881.

Bernard, St., abbot of Clairvaux A. D. 1091–1153. By Samuel J. Eales. pp. 258. Young: N. Y., 1890.

Boccaccio, as a man and author. By John Addington Symonds. pp. 101. Nimmo: London, 1895.

Buddha and early Buddhism. By Arthur Lillie. pp. 256. Trübner: London, 1881.

Buddha, the life of, and the early history of his order. Translated by W. Woodville Rockhill. pp. 273. Osgood: Boston, 1885.

Calvin, John. The life of, by Thomas H. Dyer. pp. 458. Harper: N. Y., 1850.

Chrysostom, Saint, and **Saint Augustine.** By Philip Schaff. pp. 158. Whittaker: N. Y., 1891.

Chrysostom, Saint, his life and times. By W. R. W. Stephens. pp. 474. Murray: London, 1872.

Contains a very good account of the intellectual activities in Europe during the fourth century.

Cicero, an account of the life and letters of. Translated from the German of Bernard Rudolf Abeken. Edited by Charles Merivale. pp. 484. Longmans: London, 1854.

Colet, John. A life of. By J. H. Lupton. Bell: London, 1887.

Comenius. His life and educational works. By S. S. Laurie. pp. 229. Small: Boston, 1885.

Professor Laurie has given a very full and critical analysis of the *Great Didactic.*

Comenius. Translated from the German of Karl von Raumer. Reprinted from Barnard's American journal of education. pp. 33. Hartford, 1858.

Comenius. The place of Comenius in the history of education. By Nicholas Murray Butler. pp. 20. Bardeen: Syracuse, 1892.

Comenius. His life and principles of education, by Ossian H. Lang. pp. 26. Kellogg: N. Y., 26.

Confucius and the Chinese classics. Edited and compiled by A. W. Loomis. pp. 432. Roman: San Francisco, 1867.

Cousin, Victor. By Jules Simon. Translated by Melville B. Anderson and Edward Playfair Anderson. pp. 220. McClurg: Chicago, 1888.

Dante as philosopher, patriot, and poet. By Vincenzo Botta. pp. 413. Scribner: N. Y., 1865.

Dante: a sketch of his life and works. By May Alden Ward. pp. 303. Roberts: Boston, 1887.

Dominic, St., life of, with sketches of the Dominican order, by T. Alemay. N. Y.

Edgeworth, Maria, a study of. By Grace A. Oliver. pp. 567. Williams: Boston, 1882.

Edgeworth, Maria. [Famous Women Series.] By Helen Zimmern. pp. 305. Roberts: Boston, 1883.

Emerson, George B., his life and times. By R. C. Waterson. pp. 126. Cambridge, Mass., 1884.

Erasmus. By R. C. Jebb. pp. 55. University press: Cambridge, 1890.

Fénelon, archbishop of Cambray, the life of. By Charles Butler. pp. 226. Finley: Phila., 1811.

Francke. Life of. Translated from the German by S. Jackson. Seeley: London, 1887.

Fröbel. Reminiscences of. Translated by Mrs. Horace Mann. With a sketch of the life of Fröbel by Emily Shirreff. pp. 359. Boston, 1882.

Garfield and education. By B. A. Hinsdale. Houghton: Boston, 1882.

Gregory the Great. By J. Barmby. pp. 207. Pott: N. Y., 1879.

Harris, William T., the educational labors of. By Will S. Monroe. Bardeen: Syracuse, 1897.

Hartlib, Samuel. A biographical memoir of, by H. Dircks. pp. 124. Bardeen: Syracuse, 1860.

Homer and **Socrates.** Translated from the French of A. de Larmartine by Eliza Winchell Smith. pp. 93. Lippincott: Phila., 1872.

Hopkins, Mark. By Franklin Carter. pp. xi + 375. Houghton: Boston, 1892.

Hopkins, Mark, teacher. By Leverett Wilson Spring. Educational monographs. pp. 32. N. Y., 1888.

Howe, Samuel G., the philanthropist. By F. B. Sanborn. pp. 370. Funk: N. Y.

Humboldt. Lives of the brothers Humboldt. Translated from the German by Juliette Bauer. Ingram: London, 1852.

Jerome, Saint. By Edward L. Cutts. pp. 230. Young: N. Y. 1890.

Jesus as a teacher. By B. A. Hinsdale. pp. 330. St. Louis, 1895.

Jesus. The life and doctrines of Christ. By C. Bowden. Burns: London, 1880.

Jesus. The life of Christ. By Frederic W. Farrar. pp. 472. Dutton: N. Y., 1875.

Jesus. The life of Jesus Christ in its historical connection and historical development, by Augustus Neander. Translated from the fourth German edition by John M'Clintock and Charles E. Blumenthal. pp. 499. Bell: London, 1880.

Locke, John. The life of, by H. R. Fox Bourne, 2 vols. King: London, 1876.

Loyola, the life of St. Ignatius of. By Christopher Genelli. Benziger, N. Y.

Luther, life of. By Julius Köstlin. pp. 587. Scribner: N. Y., 1883.

Lyon, Mary. Life and labors of. Compiled by Edward Hitchcock. pp. 486. Hopkins: Northampton, Mass., 1851.

Mann, Horace. Life of, by Mary Mann. pp. 587. Lee: Boston, 1891.

Mann, Horace. By Ossian H. Lang. pp. 41. Kellogg: N. Y., 1893.

Mann, Horace. By Henry Barnard. Reprinted from Barnard's American journal of education. pp. 47. Hartford, 1858.

Mann, Horace, educator. By Albert E. Winship. pp. 101. New Eng. Pub. Co.: Boston, 1896.

Mann, Horace. Life of, by Felix Pécant. Translated from the Revue Pédagogique. pp. 25. Lee: Boston, 1890.

Mohammed, founder of the religion of Islam, the life of, by George Bush. pp. 261. Harper: N. Y., 1830.

Melanchthon, Philip, the life of. By Charles Frederick Ledderhouse. Translated from the German by G. F. Krotel. pp. 364. Lindsay: Phila., 1855.

Milton. By Mark Pattison. pp. 215. Harper: N. Y., 1880.

Montaigne. By W. Lucas Collins. pp. 192. Lippincott: Phila., 1879.

Mulcaster, Richard, and his elementarie. By Foster Watson. pp. 20. Hodgson: London, 1893.

Owen, Robert, the life of. By F. A. Packard. pp. 264. Ashmead: Phila., 1866.

Page, David P. By W. F. Phelps. pp. 39. Kellogg: N. Y., 1892.

Page, David Perkins. Sketch of. By Henry Barnard. Reprinted from Barnard's American journal of education. pp. 17. Hartford, 1858.

Paul, St. His life and times. By Rev. Jas. Iverach. Randolph: N. Y., 1890.

Pestalozzi. His educational work and principles, by Amos M. Kellogg. pp. 29. Kellogg: N. Y., 1891.

Pestalozzi. His life, work, and influence, by Hermann Krusi. pp. 248. Am. Book Co.: N. Y.

Pestalozzi. Life, educational principles, and methods. Edited by Henry Barnard. pp. 238. Brownell: Hartford, 1859.

Pestalozzi. His life and work. By Roger de Guimps. Authorized translation from the second French edition, by J. Russell. With an introduction by R. H. Quick. pp. 445. Appleton: N. Y., 1895.

Pestalozzi. Lectures on the life of, by Rev. Dr. Mayo, with explanation of his system of teaching. London, 1856.

Pestalozzi, and his plan of education, being an account of his life and writings by E. Biber. Souter: London, 1831.

Pestalozzi. Life and system of, by Karl von Raumer. Translated by J. Tilleard. Longmans: London, 1855.

Petrarch, life and times of, with notices of Boccacio and his illustrious contemporaries, by Thomas Campbell. Two vols. pp. 380, 413. Colburn: London, 1743.

Philbrick, John D. A memorial of the life and services of. Edited by Larkin Dunton. pp. 225. New Eng. Pub. Co.: Boston, 1888.

Plutarch: his life, his lives, and his morals. Paul: London, 1874.

Rabelais. By Walter Besant. pp. 194. Lippincott: Phila., 1879.

Ratich. Translated from the German of Karl von Raumer. Reprinted from Barnard's American journal of education. pp. 38. Hartford, 1858.

Richter, Jean Paul. A short biography, and his autobiography. pp. 66. Bell: London, 1886.

Rousseau: his life, work, and educational ideas, by Ossian H. Lang. pp. 36. Kellogg: N. Y., 1893.

Rousseau. Sketch of, by R. H. Quick. pp. 30. Bardeen: Syracuse, 1886.

Rousseau. Life by John Morley. 2 vols. pp. 327, 348. Macmillan: N. Y., 1888.

"The best account of Rousseau's educational theories will be found in chap. xiii of this work."—James MacAlister.

Rousseau. Sketch of. Reprinted from Barnard's American journal of education. pp. 27. Hartford, 1858.

Seebohm, Fred. The Oxford reformers of 1498 [Colet, Erasmus, More]. Longmans: London, 1887.

Socrates and the Athenians. By Henry Bleckly. pp. 73. Paul: London, 1884.

Socrates, the trial and death of, being the Euthyphron, Apology, Crito, and Phædo of Plato. Translated into English by F. J. Church. pp. 190. Macmillan: London, 1880.

Contains most of the known facts in the life of Socrates.

Stow, David. Memoir of the life of. By William Fraser. pp. 320. Nisbet: London, 1868.

Synesius of Cyrene, philosopher and bishop. By Alice Gardner. pp. 179. Young: N. Y., 1886.

Thring, Edward. A memory of, by J. H. Skrine. Macmillan: London, 1890.

Webster, Noah. By Horace E. Scudder. pp. 302. Houghton: Boston, 1883.

Widgery, William Henry, schoolmaster. A description and critical account of his life-work and character. By Wm. K. Hill. pp. 288. London, 1894.

Zwingli, Ulrich. The life of, by J. G. Hess. Translated from the French by Lucy Aikin. pp. 325. Johnson: London, 1812.

f. Reminiscences.

Adams, H. C. School days at Kingscourt: a tale of 1803. pp. 373. Routledge: London [1881].

Alcott, W. A. Confessions of a schoolmaster. pp. 309. Collins: Philadelphia, 1856.

Anderson, Olive, S. L. An American girl in a boys' college. Appleton, N. Y., 1878.

Gives an account of the beginnings of coeducation in the university of Michigan.

Atwood, F. G. Manners and customs of ye Harvard students Boston, 1878.

B. H. Stray papers on education and scenes from school life. pp. 181. Paul: London, 1883.

Bagg, L. H. Four years at Yale. New Haven, 1871.

Bailey, W. W. My boyhood at West Point. pp. 38. Providence, 1891.

Baird, W. R. American college fraternities. pp. 212. Phila., 1879.

Bankers, G. M. A day of my life: or everyday experiences at Eton. pp. 183. Low: London, 1889.

Bardeen, C. W. Roderick Hume: the story of a New York teacher. pp. 295. Bardeen: Syracuse, 1894.

Barker, Henry J. Original English as written by our little ones. pp. 161. Jarrold: London, 1889.

Barnard, Henry. True student life: letters, essays, and thoughts on education, studies, and conduct addressed to young persons. pp. 416. Hartford, 1872.

Barrie, J. M. An Edinburgh eleven: pencil portraits from college life. pp. 115. London, 1889.

Bitzius. Joys and sorrows of a schoolmaster. Allen: London, n. d.

Blanch, W. H. Bluecoat boys: school life at Christ's hospital. Allen: London, 1877.

Braley, Arthur W. Schools and schoolboys of old Boston. pp. 439. Hager: Boston, 1894.

Bristed, Charles A. Five years in an English university. pp. 572. N. Y., 1874.

Burton, Warren. The district school as it was. pp. 206. Boston, 1850.

Couch, Lilian M. Q., editor. Reminiscences of Oxford by Oxford men: 1559–1850. pp. 430. Clarendon Press: Oxford, 1892.

Cutting, George R. Student life at Amherst college. Amherst, 1871.

Dickens, Charles. The life and adventures of Nicholas Nickleby. Harper: N. Y., 1873.

Dickens, Charles. Schools and schoolmasters. Barnes: N. Y., 1871.

Ebers, George. The story of my life from childhood to manhood. Translated by Mary J. Safford. pp. 382. Appleton: N. Y., 1893.

Gives an extended account of Fröbel and his institution at Keilhau.

Eggleston, Edward. The Hoosier schoolboy. Scribner: N. Y., 1883.

Eggleston, Edward. The Hoosier schoolmaster. pp. 226. Judd: N. Y. [1871].

Eggleston, Edward, editor. The schoolmaster in literature. pp. 608. Am. Book Co.: N. Y. [1892].

Contains selections from the writings of Ascham, Molière, Rousseau, Cowper, Göthe, Pestalozzi, Page, Dickens, Irving, George Eliot, *et. al.*

Emerson, George B. Reminiscences of an old teacher. pp. 154. Mudge: Boston, 1878.

Farrar, F. W. Eric: a tale of Roslyn school. pp. 366. Carleton: N. Y., 1859.

Field, Thomas W. The schoolmistress in history, poetry, and romance. pp. 40. Whiting: Brooklyn, 1874.

Fisk, Fidelia. Recollections of Mary Lyon, with selections from her instructions to her pupils in Mount Holyoke female seminary. pp. 333. Boston [1866].

Ford, Corydon. The child of democracy: being the adventures of the embryo state. pp. 283. Sheehan: Ann Arbor, 1894.

Some remarkably caustic reminiscences of school education. See especially the chapter "High Priests of Pedagogy."

Göthe. Wilhelm Meister's apprenticeship and travels. Translated by Thomas Carlyle. 3 vols. Chapman: London, n. d.

Hart, J. M. German universities. pp. 398. N. Y., 1878.

Contains an account of his own experience as a student in Germany.

Hale, Edward Everett, and others. How I was educated. pp. 126. Appleton: N. Y., 1889.

Hall, B. H. A collection of college words and customs. pp. 508. Bartlett: Cambridge, Mass., 1856.

Hawtrey, Stephen. Reminiscences of a French Eton. pp. 79. London, 1867.

Hime, M. C. Schoolmaster's retrospect of an Irish school. pp. 134. London, 1884.

Hitchcock, Edward. Reminiscences of Amherst college, historical, scientific, biographical, and autobiographical. pp. 412. Northampton, Mass, 1863.

Howitt, William. Student life in Germany, from the unpublished MS. of Dr. Cornelius. pp. 484. Longmans: London, 1841.

Hughes, Thomas. Tom Brown at Oxford. Macmillan: London, 1871.

Hughes, Thomas. Tom Brown's school days. Macmillan: London, 1857.

Irving, Washington. Rip Van Winkle and the legend of Sleepy Hollow. pp. 218. Macmillan: New York, 1893.

Jacob, H. P. Public school life in England. Mercantile Press: Karachi, 1893.

Laurie, André. Schoolboy days in Russia. Translated by Laura E. Kendall. pp. 332. Estes: Boston, 1892.

Laurie, André. Schoolboy days in Japan. Translated by Laura E. Kendall. pp. 270. Estes: Boston [1895].

Lenz, Gustav. English schools: experiences and impressions of English school life. pp. 47. Giessen, 1891.

Maclean, Neal N. Life at a northern university. [Glasgow.] pp. 304. Marr: Glasgow, 1874.

Mann, T. My German schools and schoolmasters. Ward: London, 1859.

Mayhew, Henry. German life and manners as seen in Saxony. pp. 451. Allen: London [1864].

An account of student customs at the university of Jena.

Melly, George. School experience of a fag at a private and public school. pp. 311. Smith: London, 1854.

Miller, Hugh. My schools and schoolmasters. Nimmo: Edinburgh, 1889.

Osgood, Samuel. Student life: letters and recollections for a young friend. pp. 164. Miller: New York, 1861.

Pascoe, C. E., editor. Everyday life in our public schools. Griffith: London, 1883.

Seven sketches by principals of leading public schools in England.

Peabody, Andrew P. Harvard graduates whom I have known. Houghton: Boston, 1890.

Pember, Austin. Croesus Minor: his education and its results. pp. 193. Sonnenschein: London, 1888.

Porter, John A., editor. Sketches of Yale life: being sketches, humorous and descriptive, from the college magazines and newspapers. pp. 288. Arlington Pub. Co.: Washington, 1886.

Pressensé, Madame de. Two years of school life. pp. 265. London.

Rabelais and others. The schoolmaster in comedy and satire. pp. 592. Am. Book Co.: New York [1894].

Rhys, J. The modern pedagogue. Saunders: London, 1868.

Richards, J. Brinsley. Seven years of my life at Eton. Bentley: London, 1885.

Shelley, Aaron. Anecdotes and humors of school life. pp. 350. Bardeen: Syracuse, 1889.

Stedman, A. M., editor. Oxford: its life and schools. Bell: London, 1887.

Stephens, N. German university life: my career as a student and professor. Phila., 1874.

Severance, Mark Sibley. Hammersmith: his Harvard days. pp. 524. Houghton: Boston, 1878.

Smith, W. H. The evolution of Dodd. pp. 153. Rand: Chicago, 1891.

The Schoolmaster: his difficulties abroad and at home. Longmans: London, 1853.

Thordén, C. M. Under the shade of German universities. pp. 104. Upsala, 1883.

Thompson, D'Arcy W. Day dreams of a schoolmaster. pp. 328. Small: London, 1885.

Timbs, J. School days of eminent men. London, 1858.

Tomes, Robert. My college days. Harper: New York, 1880.

Tripp, H. G. Student life at Harvard. Boston, 1877.

Tuckwell, W. The ancient ways: Winchester fifty years ago. Macmillan: New York, 1893.

Whilby, C., editor. In cap and gown [Cambridge]. Paul: London, 1889.

Wilkinson, C. A. Reminiscences of Eton [in Keats' time]. Hurst: London, 1887.

White, Andrew D. My reminiscences of Ezra Cornell. pp. 42. Ithaca, 1890.

Wordsworth, C. Social life at the English universities in the eighteenth century. Bell: London, 1874.

Wrench, R. G. K., editor. Winchester word book: a collection of past and present notions. Nutt: London, 1891.

Yan Phon Lee. When I was a boy in China. pp. 111. Lothrop: Boston [1887].

Contains a chapter on schools and school life. A very readable book.

III. THEORY OF EDUCATION.

See also: IV; VII.

a. Ancient.

Aristotle. The politics of. Translated with an analysis and critical notes, by J. E. C. Welldon. pp. 407. Macmillan: London, 1883.

Aristotle. The politics and economics of. Translated with notes, original and selected, and analyses, by Edward Walford. pp. 338. Bell: London, 1866.

Avesta. The religious books of the Parsees: from Professor Spiegel's German translation of the original manuscripts. By Arthur Henry Bleeck. 3 vols. pp. 156, 141, 214. Hertford: Austin, 1861.

Bible, the holy. Containing the old and new testaments translated out of the original tongues: being the version set forth A. D. 1611, commonly called King James's version; arranged in parallel columns with the revised versions of 1881 and 1885. pp. 1304 + 408. Houghton: Boston, 1885.

Bible, the holy. Translated from the Latin vulgate: diligently compared with the Hebrew, Greek, and other editions in divers languages. The old testament first published by the English college at Douay, A. D. 1609, and the new testament first published by the English college at Rheims, A. D. 1582. With annotations and references and a historical and chronological index. pp. 691 + 192. Donahoe: Boston [1852].

Cicero. Oratory and orators. Translated by J. S. Watson. pp. 379. Harper: N. Y., 1871.

In discussing the character and education of the orator, he gives his views on education in general.

Koran. Commonly called the Alcoran of Mohammed; translated from the original Arabic, with explanatory notes taken from the most approved commentators; to which is prefixed a preliminary discourse. By George Sale. pp. 472. Hodgson: London, n. d.

Plato. Meno: a dialogue on education. Translated by R. W. Mackay. Williams: London, 1869.

Plato. Laws. Translated by G. Burges. Bell: London.

Vol. v of the Bohn edition of Plato's complete works.

Plato. The republic of. Translated into English, with an analysis and notes, by John Llewelyn Davies and David James Vaughn. pp. 370. Macmillan: New York, 1895.

"The finest treatise on public education ever written."—Rousseau.

Plutarch. Morals. Translated with notes and index by Arthur Richard Shilleto. pp. 408. Bell: London, 1888.

Contains his essay on the training of children.

Quintilian. Institutes of oratory: or education of an orator. Translated by John Selby Watson. 2 vols. pp. 464, 474. Bell: London, 1882.

Talmud, the. Edited by Joseph Barclay. pp. 389. Murray: London, 1878.

Xenophon. Minor works. Translated by J. S. Watson. Bell: London, 1857.

Contains the Economics.

b. Modern.

Ascham, Roger. The scholemaster. Edited by J. E. B. Mayor. Bell: London, 1863.

"It contains, perhaps, the best advice that was ever given for the study of languages."—Samuel Johnson.

Bacon, Francis. The advancement of learning. Edited by William Aldis Wright. pp. xlviii + 376. Oxford, 1880.

Bain, Alexander. Education as a science. pp. 453. Appleton: New York, 1883.

"Recommends itself by merits of studied analysis and scholarly minuteness."—Campayré.

Comenius. The great didactic. Translated by M. W. Keatinge. pp. 468. Black: London, 1896.

Comenius. The school of infancy: an essay on the education of youth during the first six years. Edited with notes and an introduction by Will S. Monroe. pp. 99 + 15. Heath: Boston, 1896.

Fénelon. The education of girls. Translated by Kate Lupton. pp. 120. Ginn: Boston, 1891.

"A work of gentleness and goodness, pervaded by a spirit of progress."—Campayré.

Fichte [J. G.]. On the nature of the scholar. pp. 220. Chapman: London, 1845.

Fröbel, Friedrich. The education of man. Translated and annotated by W. N. Hailmann. pp. 332. Appleton: New York, 1887.

"It lifts all educational work from narrow, merely utilitarian standpoints, to an intensely and broadly Christian point of view; it measures every educational activity by its influence on character."—Wm. T. Harris.

Girard, Père. The mother tongue. Translated and edited by Viscount Ebrington. Parker: London, 1847.

"It is a work of mature thought, and sums up a whole lifetime of labor."—Compayré.

Herbart's A B C of sense-perception. By William J. Eckoff. Appleton: New York, 1896.

Herbart. The science of education. Translated from the German with a biographical introduction by Henry M. and Emmie Felkin, and a preface by Oscar Browning. pp. 268. Heath: Boston, 1895.

Locke, John. Some thoughts concerning education, with an introduction and notes by R. H. Quick. pp. 240. Clay: London, 1884.

"A classical work, simple and familiar in style, a little disconnected, perhaps, and abounding in repetitions, but the substance of which is excellent, and the ideas as remarkable, in general, for their originality as for their justness."—Compayré.

Mann, Horace. Lectures on education. pp. 338. Lee: Boston, 1891.

Milton, John. Tractate on education. Edited with an introduction and notes, by Oscar Browning. pp. 43. Clay: London, 1890.

"The noble moral glow that pervades it, the mood of magnanimity in which it is conceived and written, and the faith it inculcates in the powers of the young human spirit, if rightly nurtured and directed, are merits everlasting."—David Masson.

Montaigne. The education of children. pp. 112. Putnam: New York, 1891.

Mulcaster, Richard. Positions. With an appendix containing some account of his life and writings by Robert Hebert Quick. pp. 309. Longmans: London, 1888.

"One of the earliest and still one of the best treatises on education in the English language."—Henry Barnard.

Necker de Saussure, Madame. Progressive education, commencing with the infant. Translated from the French with notes and an appendix by Mrs. Willard and Mrs. Phelps. pp. 348. Ticknor: Boston, 1835.

"A book of remarkable insight and originality."—G. Stanley Hall.

Pestalozzi. How Gertrude teaches her children. An attempt to help mothers to teach their own children. Translated by Lucy E. Holland and Francis C. Turner. Edited with notes by Ebenezer Cooke. pp. li + 256. Sonnenschein: London 1894.

Pestalozzi. Leonard and Gertrude. Translated and abridged by Eva Channing. pp. 181. Heath: Boston, 1888.

"A mother who follows the principles inculcated in this book can educate her children as if she were in possession of all the sciences."—Oscar Browning.

Pestalozzi. Selections from the publications of Pestalozzi. Edited by Henry Barnard. pp. 230. Brownell: Hartford, 1859.

Contains portions of Leonard and Gertrude, Evening hour of a hermit, the Swan Song, and selections from Christopher and Elsie.

Pestalozzi. Letters on education addressed to J. P. Greaves. Translated from the German manuscript, with a memoir of Pestalozzi. Sherwood: London, 1827.

Rabelais. Readings in Rabelais [Gargantua and Pantagruel]. Edited by Walter Besant. pp. 382. Blackwood: London, 1883.

"Lessons to teach which concern humanity in all ages, and shall be read with profit until the Golden Age comes back again, and then we shall all be educated like Gargantua."—Walter Besant.

Richter, Jean Paul. Levana: or the doctrine of education. pp. 413. Bell: London, 1886.

It claims to be only a fragment, but its spirit is broad and generous. One of the books of the educational apocalypse.

Rosenkranz, Johann K. F. The philosophy of education. Translated from the German by Anna C. Brackett. pp. 286. Appleton: New York, 1887.

The most profound and thoughtful book on the philosophy of education. Contains an admirable commentary and complete analysis by Dr. Wm. T. Harris.

Rosmini, Antonio. The ruling principle of method applied to education. Translated by Mrs. William Grey. pp. 363. Heath: Boston, 1887.

"A very exceptional work, in that it is at the same time philosophical and practical."—Mary Sheldon Barnes.

Rousseau. Émile: or concerning education. Selections by Jules Steeg. Translated by Eleanor Worthington. pp. 157. Heath: Boston, 1888.

"There are fifty pages of the Émile that should be bound in velvet and gold."—Voltaire.

Rousseau. Émile: or treatise on education. Translated and annotated by W. H. Payne. pp. 355. Applcton: New York, 1893.

Spencer, Herbert. Education: intellectual, moral, and physical. pp. 283. Appleton: New York, 1883.

"If it does not yet contain a perfect and fully worked out theory of education, it is at least a vigorous effort and a notable step toward a rational pedagogy."—Compayré.

IV. PRINCIPLES AND PRACTICE OF TEACHING.

See also: III; VII.

a. Elementary.

Aiken, Catherine. Methods of mind-training. pp. 75. Harper: New York, 1895.

Alcott, Amos Bronson. Observations on the principles and methods of infant instruction. pp. 27. Carter: Boston, 1830.

Alcott, W. A. A word to teachers: or two days in a primary school. pp. xvi+84. Ticknor: Boston, 1833.

Arnold, Sarah L. Waymarks for teachers, showing aims, principles, and plans for everyday teaching. pp. 274. Silver: Boston, 1895.

Babbitt, Edwin D. Lectures on education. pp. 57. Derby: Cincinnati, 1856.

Beecher, Catherine E. Suggestions respecting improvements in education. pp. 84. Hartford, 1829.

Beebe, Katherine. The first school year. pp. 147. Werner: Chicago, 1895.

Béesau, Amable. The spirit of education. Translated by Mrs. E. M. McCarthy. pp. 325. Bardeen: Syracuse, 1881.

Calderwood, Henry. On teaching: its ends and means. pp. 126. Macmillan: London, 1881.

A helpful book.

Cotherill, C. C. Suggested reforms in public schools. pp. 178. Blackwood: Edinburgh, 1885.

Childs, Charles Francis. Essays on education and culture, with eulogium of the author by W. T. Harris. pp. 233. Gray: St. Louis, 1867.

Compayré, Gabriel. Lectures on pedagogy, theoretical and practical. Translated by W. H. Payne. pp. 491. Heath: Boston, 1887.

"It is the best book on the theory and practice of teaching."—James MacAlister.

Currie, James. The principles and practice of early and infant school education. pp. 285. Kellogg: New York, 1887.

Contains many valuable hints for primary teachers.

Currie, James. The principles and practice of common school education. pp. 504. Laurie: London, n. d.

Combe, George. Education: its principles and practice. Collated and edited by William Jolly. pp. 772. Macmillan: London, 1879.

Edgeworth, Maria. Practical education. pp. 549. Harper: New York, 1849.

One of the standard English works.

Everett, Edward. Importance of practical education and useful knowledge. pp. 419. Harper: New York, 1854.

Fitch, J. G. Lectures on teaching. pp. 393. Kellogg: New York, 1886.

"Very valuable lectures by a practical teacher and inspector."—G. Stanley Hall.

Greenwood, J. M. Principles of education practically applied. pp. 192. Appleton: New York, 1887.

Hamilton, Elizabeth. Letters on the elementary principles of education. 2 vols. Barker: Boston, 1835.

Harris, William T., and others. Report of the committee of fifteen. pp. 148. New Eng. Pub. Co.: Boston, 1895.

A report of great value. The best recent statement of the principles of education as embodied in the course of study.

Harris, William T., and others. Report on correlation of studies by the committee of fifteen. With annotations by George P. Brown. pp. 93. Public School Pub. Co.: Bloomington, 1895.

Hart, John S. In the schoolroom: or chapters in the philosophy of education. pp. 276. Eldredge: Phila., 1882.

Henderson, John Cleaves. Thomas Jefferson's views on public education. pp. 387. Putnam: New York, 1890.

Hewett, Edwin C. A treatise on pedagogy for young teachers. pp. 228. Am. Book Co.: New York, 1894.

Hinsdale, B. A. Schools and studies. pp. 362. Osgood: Boston, 1884.

Hinsdale, B. A. Teaching the language-arts. Appleton: New York, 1896.

Hopkins, Louise Parsons. The spirit of the new education. pp. 282. Lee: Boston, 1892.

Hopkins, Mark. Teachings and counsels: twenty baccalaureate sermons. pp. 395. Scribner: New York, 1884.

Howland, George. Practical hints for the teachers of public schools. pp. 198. Appleton, 1889.

Huntington, F. D. Unconscious tuition. pp. 41. Kellogg: New York, 1888.

A modern educational classic.

Johonnot, James. Principles and practice of teaching. pp. 395. Appleton: New York, 1886.

Embodies the experience of an able American teacher.

Kenyon, Ellen E. The coming school. pp. 146. Cassell: New York, 1889.

Landon, Joseph. Principles and practice of teaching and class management. pp. 462. Holden: London, 1894.

Lang, Ossian H. Outlines of Herbart's pedagogics, with a biographical introduction. pp. 64. Kellogg: New York, 1894.

Laurie, S. S. Addresses on educational subjects. pp. 215. University Press: Cambridge, 1888.

Laurie, S. S. Primary instruction in relation to education. pp. xiii + 233. Stewart: London, 1874.

Lessing, G. E. The education of the human race. pp. 79. Paul: London, 1883.

Lowell, Anna Cabot. Theory of teaching with a few practical illustrations. pp. 128. Peabody: Boston, 1841.

MacLochlin, J. Education: its scope, its aim, its object. pp. 300. Stock: London [1883].

Mansfield, E. D. American education: its principles and elements. pp. 330. Barnes: New York, 1855.

MacVicar, Malcolm. Principles of education. pp. 178. Ginn: Boston, 1892.

McMurry, Charles A. The elements of the general method: based on the principles of Herbart. pp. 200. Public School Pub. Co.: Bloomington, 1892.

"A simple and interesting presentation of the aim of education, the relative value of studies, the doctrine of interest, the culture-epochs theory of ar-

ranging studies, and apperception from the point of view of the followers of Herbart."—Edward R. Shaw.

Mayhew, Ira. The means and ends of universal education. pp. 467. Barnes: New York, 1850.

Morgan, Thomas J. Studies in pedagogy. pp. 355. Silver: Boston, 1890.

Morgan, Thomas J. Educational mosaics: a collection from many writers (chiefly modern) of thoughts bearing on educational questions of the day. pp. 274. Silver: Boston, 1887.

Neef, Joseph. Sketch of a plan and method of education. pp. 168. Phila., 1808.

Probably the first book in the English language printed in America bearing on the science and art of education. The author had been associated with Pestalozzi as one of his assistant teachers for five years before coming to America. His labors in this country cover a period of twenty-five years.

Noetling, William. Notes on the science and art of education. pp. 195. Kellogg: New York, 1895.

Ogden, John. The science of education: or the philosophy of human culture. pp. 234. New York.

Ogden, John. The art of teaching. pp. 248. Am. Book Co.: New York.

Page, David P. Theory and practice of teaching. pp. 448. Bardeen: Syracuse, 1893.

"No other American book on teaching has so much claim as this to be considered a classic. For nearly fifty years it has been regarded almost universally as the one book the young teacher would most profit by."—C. W. Bardeen.

Palmer, F. B. The science of education. pp. 341. Van Antwerp: Cincinnati, 1887.

Parker, Francis W. Talks on pedagogics: an outline of the theory of concentration. pp. 491. Kellogg: New York [1894].

Payne, Joseph. Lectures on the science and art of education. pp. 414. Small: Boston, 1884.

The best American edition of an excellent book.

Payne, William H. Contributions to the science of education. pp. 358. Harper: New York, 1886.

Phelps, William F. Desultory thoughts on educational science. pp. 29. Trenton, 1857.

Potter, Alonzo, and **Emerson, George B.** The school and the schoolmaster. pp. 552. Fowle: Boston, 1843.

An important book in its day, highly commended by Horace Mann, but now of historical value mainly.

Priestley, Joseph. Essays on a course of liberal education. Henderson: London, 1765.

Priestley's educational writings were reprinted and widely circulated in this country at the close of the last century.

Putnam, Daniel. A manual of pedagogics. pp. 330. Silver: Boston, 1895.

Elementary in character and adapted to the needs of young teachers.

Quain, Richard. Some defects in general education. pp. 112. Macmillan: London, 1870.

Randall, Samuel S. The first principles of popular education and public instruction. pp. 256. Harper: New York, 1868.

Rein, W. Outlines of pedagogics. Translated by C. C. and Ida J. Van Liew. pp. 232. Bardeen: Syracuse, 1895.

Rooper, T. G. Address to teachers of infant schools. pp. 24. London, 1884.

Russell, William. Manual of mutual instruction. pp. 121. Boston, 1826.

Saint John, A. W. Hints on infant school work. pp. 76. London, 1885.

Shoup, W. J. The history and science of education. pp. 315. Am. Book Co.: New York, 1891.

Tate, T. The philosophy of education: or the principles and practice of teaching. With an introduction by Francis W. Parker. pp. 330. Bardeen: Syracuse, 1884.

Tompkins, Arnold. The philosophy of teaching. pp. 280. Ginn: Boston, 1894.

Thring, Edward. Theory and practice of teaching. pp. 262. Clay: London, 1885.

A valuable book, and worthy to be classed with the books on the same subject by Page, Johonnot, Payne, Fitch, and Rein.

Thring, Edward. Education and the school. pp. 278. Macmillan: London, 1867.

Sands, Nathaniel. The philosophy of teaching. pp. 60. Harper: New York, 1869.

Spurzheim, J. G. A view of the elementary principles of education. pp. 318. Marsh: Boston, 1836.

Ufer, Chr. Introduction to the pedagogy of Herbart. Edited by Charles De Garmo. pp. 123. Heath: Boston, 1894.

White, Emerson E. Elements of pedagogy. pp. 336. Am. Book Co.: New York.

Wilderspin, S. The infant system. Simpkin: London, 1834.

Winship, Albert E. The science of pedagogy. pp. 27. New Eng. Pub. Co.: Boston, 1892.

Winship, Albert E. The shop. pp. 80. Lothrop: Boston, 1889.

b. Secondary and Higher.

Adams, Charles K. University ideals. pp. 24. [Madison, Wis., 1894.]

Adams, Herbert B. The higher education of the people. pp. 96. [Madison, Wis., 1891.]

Barker, John M. Colleges in America. pp. 265. Cleveland, 1894.

Butler, Nicholas Murray. Function of the secondary school. pp. 18. [Boston, 1890.]

Duniway, C. A., editor. Graduate courses [in the United States]. pp. xxviii + 135. Macmillan: New York, 1895.

Eliot, Charles W., and others. Report of the committee [of ten] on secondary school studies. pp. 249. Bu. of Ed.: Wash., 1893.

Fiske, John. Darwinism, and other essays. Houghton: Boston, 1890.
Contains his essays on liberal education, university reform, and a librarian's work.

Gambs, J. The German university in America. pp. 21. Sheldon: New York, 1860.

Hill, David J. The American college in its relation to liberal education. pp. 30. Rochester, 1889.

Hill, Frank A. The practicability of abridging the course preparatory for college. pp. 17. [Cambridge, Mass., 1891.]

Hoffman, A. W. The question of a division of the philosophical faculty. pp. 27. Ginn: Boston, 1883.

Howard, George E. The American university and the American man. pp. 22. Palo Alto, 1893.

Leverson, M. B. Thoughts on institutions of the higher education. pp. 114. New York, 1893.

Mann, Horace. Demands of the age on colleges. pp. 86. Fowler: New York, 1857.

Mill, C. New departures in collegiate control. pp. 50. New York, 1880.

Newman, John Henry. The idea of a university defined and illustrated. pp. 527. Pickering: London, 1873.

Nightingale, A. F. A handbook of requirements for admission to the colleges of the United States. pp. 63. Appleton: New York, 1879.

Northop, B. G. High schools. pp. 26. Bardeen: Syracuse, 1880.

Peck, W. T. The high schools and high school programs. pp. 31. [Providence, 1893.]

Pepper, William. The relation of undergraduate to post-graduate curricula. pp. 24. Phila., 1892.

Poole, W. F. The university library and the university curriculum. pp. 55. Revell: Chicago, 1894.

Porter, Noah. The American colleges and the American public. pp. 403. New York, 1883.

Storrs, Richard S. The broader range and outlook of the college training. pp. 56. Amherst, 1887.

Tappan, A. P. University education. pp. 120. Putnam, New York, 1851.

Thwing, Charles F. American colleges: their students and work. pp. 159. Putnam: New York, 1878.

Wayland, Francis. Thoughts on the present collegiate system in the United States. pp. 160. Gould: Boston, 1842.

V. METHODS OF INSTRUCTION.

a. Elementary.

1. General.

See also: III; IV; VII.

Bousfield, William, editor. Elementary schools: how to increase their utility. pp. 189. Percival: London, 1890.

Contents: Science teaching, music, physical culture and recreation, hand-and-eye training, evenings of amusement, and mechanics.

Brooks, Edward. Normal methods of teaching. pp. 504. Lancaster, 1883.

De Garmo, Charles. The essentials of method: a discussion of the essential form of right methods of teaching. pp. 119. Heath: Boston, 1889.

An able exposition from the Herbartian standpoint.

De Graff, E. V. The schoolroom guide. pp. 396. Bardeen: Syracuse, 1894.

Dickinson, J. W. The limits of oral teaching. pp. 24. Bardeen: Syracuse, 1890.

Hill, Thomas. The true order of studies. pp. 163. Putnam: New York, 1876.

Hoose, J. H. Methods of teaching. pp. 376. Bardeen: Syracuse, 1879.

Hopkins, Louisa Parsons. How shall my child be taught? pp. 276. Lee: Boston, 1887.

Kiddle, Henry, Harrison, F., and **Calkins, N. A.** How to teach: a graded course of instruction and manual of methods. pp. 269. Am. Book Co.: New York, 1894.

MacAlister, James. Manuals of the graded course of instruction in the Philadelphia public schools. 3 vols. pp. 78, 39, 92. Phila., 1887.

Parker, Francis W. Notes of talks on teaching. Reported by Lelia E. Patridge. pp. 182. Kellogg: New York, 1885.

A valuable book on methods of teaching the elementary subjects.

Patridge, Lelia E. The Quincy methods: pen photographs from the Quincy schools. pp. 660. Kellogg: New York, 1885.

Phelps, W. F. Teacher's handbook. pp. 335. Barnes: New York [1874].

Prince, John T. Courses of study and methods of teaching. pp. 344. Ginn : Boston, 1888.

Raub, Albert N. Methods of teaching. pp. 415. Lock Haven, 1884.

Robinson, R. Manual of method and organization, adapted to primary schools. Longmans: London, 1867.

Sinclair, S. B. First year at school. pp. 169. Kellogg: New York, 1894.

A good book for young teachers.

Southwick, A. P. A quiz-book on the theory and practice of teaching. pp. 220. Bardeen: Syracuse, 1887.

Swett, John. Methods of teaching. pp. 326. Harper: New York, 1881.

Taylor, John. Notes of lessons for young teachers. pp. 101. Boston Sch. Supply Co.: Boston, 1889.

Van Wie, C. B. Methods in common branches. pp. 197. Bardeen: Syracuse, 1886.

Wickersham, J. P. Methods of instruction. pp. 496. Lippincott: Phila., n. d.

2. English.

Badlam, Anna B. Suggestive lessons in language and reading for primary schools. pp. 229. Heath: Boston, 1887.

Bent, S. A. Hints on language. pp. 75. Lee: Boston, 1886.

Bright, Orville T. Graded instruction in English for the use of teachers. pp. 80. Appleton: N. Y., 1888.

Burt, Mary E. Literary landmarks: a guide to good reading for young people. pp. 152. Houghton: Boston, 1890.

Contains suggestive lists of books for young people.

Calkins, N. A. How to teach phonics. pp. 80. Kellogg: N. Y., 1894.

Comenius. The orbis pictus. Edited by C. W. Bardeen. pp. 197. Bardeen: Syracuse, 1891.

The first child's picture book for school use printed.

Farnum, George L. The sentence method of teaching reading, writing, and spelling. pp. 51. Bardeen: Syracuse, 1887.

A good presentation of the claims of the sentence method.

Gladstone, J. H. Spelling reform from an educational point of view. Macmillan: London, 1878.

Goodard, F. B. The art of spelling. pp. 128. Baker: N. Y., 1889.

Hall, G. Stanley. How to teach reading. pp. 40. Heath: Boston, 1887.

Hinsdale, B. A. Teaching the language-arts: speech, reading, composition. pp. 205. Appleton, 1896.

Hodgson, W. B. Exaggerated estimates of reading and writing as means of education. London, 1875.

Jackson, John. The theory and practice of handwriting. pp. 160. Harrison: N. Y., 1894.

An excellent exposition of the claims of vertical writing.

Jacobi, Mary Putnam. Physiological notes on primary education. pp. 120. Putnam: N. Y., 1889.

Jones, E. Popular education: a revision of English spelling a national necessity. pp. 64. Pitman: London, 1875.

Mann, Horace. Lecture on the best mode of preparing and using the spelling book. pp. 40. Boston, 1841.

March, F. A. The spelling reform. pp. 86. Bu. of Ed.: Wash., 1893.

McMurry, Charles A. Special method in reading. pp. 137. Public School Pub. Co.: Bloomington, 1894.

Metcalf, Robert C. How to teach language. pp. 96. Ed. Pub. Co.: Boston, 1888.

Monroe, Mrs. L. B. How to teach reading. pp. 32. Cowperthwaite: Phila., 1887.

Müller, Max. On spelling [reform]. pp. 46. Pitman: London [1880].

Pollard, Rebecca S. A complete manual [to] Pollard's synthetic method of reading and spelling. pp. 217. Werner: Chicago, 1891.

Phillips, J. H. History and literature in grammar grades. pp. 19. Heath: Boston, 1896.

Scudder, Horace E. Literature in the schools. pp. 60. Houghton: Boston, 1888.

Spear, Mary A. Preparing to read. pp. 78. New Eng. Pub. Co.: Boston, 1891.

An excellent book on the first steps in teaching reading.

Swett, Henry. A handbook of phonetics, including an exposition of the principles of spelling reform. pp. 215. Clarendon Press: Oxford, 1877.

3. Nature Study.

Bowditch, H. P. Hints for teaching physiology. pp. 58. Heath: Boston, 1891.

Boyden, A. C. Outline of laboratory work in natural science. pp. 27. Bridgewater, 1892.

Boyden, A. C. Outline of nature study. pp. 76. Bridgewater, 1894.

Calkins, N. A. Primary object lessons. pp. 448. Harper: N. Y., 1885.

Clapp, H. L. Thirty-six observation lessons on common minerals. pp. 83. Heath: Boston, 1894.

De Graff, E. V., and **Smith, Margaret K.** Development lessons. pp. 301. Lovell: N. Y., 1884.

Dyer, Henry. Science teaching in schools. Blackie: London, 1893.

Grant, Horace. Exercises for the improvement of the senses. pp. 157. Lee: Boston, 1887.

Harris, William T. Natural science in the public schools. pp. 60. Bardeen: Syracuse, 1895.

Hopkins, Louisa Parsons. Observation lessons in the primary schools. pp. 212. Lee: Boston, 1890.

Howe, Edward G. Systematic science teaching: a manual of inductive elementary work. pp. xxix + 326. Appleton: N. Y.

Hyatt, Alpheus, and others. Guides for science teaching. 16 nos. Heath: Boston.

A series of excellent little manuals published under the auspices of the Boston society of natural history.

Jackman, Wilbur S. Nature study for the common schools. Holt: N. Y., 1892.

Jackman, Wilbur S. Nature study record. Werner: Chicago, 1896.

Prepared to enable pupils to make systematic notes of their work.

Jackman, Wilbur S. Nature study and related subjects. Chicago, 1895.

Jackman, Wilbur S. Field work in nature study. pp. 55. Chicago, 1894.

Mann, Horace. Study of physiology in schools. Bardeen: Syracuse, 1872.

Manton, W. P. Primary methods in zoölogy teaching. pp. 61. Lee: Boston, 1891.

Mayo, Elizabeth. Lessons on objects: as given to children between the ages of six and eight in a Pestalozzian school. pp. 229. Seeley: London, 1874.

Murdock, F. F. Outline of laboratory work in natural science. pp. 75 + 19. Bridgewater, 1892.

Payne, Frank O. One hundred lessons in nature study around my school. pp. 201. Kellogg: N. Y. [1895].

Rice, William North. Science-teaching in the schools. pp. 73. Heath: Boston, 1894.

Richards, Ellen H. First lessons on minerals. pp. 46. Heath: Boston, 1896.

Ricks, George. Natural history object lessons: a manual for teachers. pp. 352.. Heath: Boston, 1889.

Ricks, George. Object lessons and how to give them. 2 vols. pp. 202, 214. Heath: Boston, 1895.

Rooper, T. G. Object teaching: or words and things. pp. 56. Bardeen: Syracuse, 1892.

Sheldon, E. A., and others. A manual of elementary instruction. pp. 471. N. Y., 1883.

Youmans, Eliza A. Culture of the observing powers of children. Edited by Joseph Payne. pp. 66. King: London, 1872.

Woodhull, John F. Manual of home-made apparatus. pp. 72. Kellogg: N. Y., 1895.

Woodhull, John F. Simple experiments for the schoolroom. pp. 99. Kellogg: N. Y., 1891.

4. Geography.

Apgar, E. A. and **A. C.** Geographical drawing book. pp. 40. Phila., 1867.

"This system of map drawing was widely adopted in the United States, and did much to stimulate the drawing of maps; but now, like all other arbitrary straight-line systems, it is giving place to free-hand map drawing."—Alex E. Frye.

Augsburg, D. R. Easy drawings for the geography class. pp. 90. Kellogg: N. Y., 1894.

"It will prove very helpful. Every teacher of geography should be able to sketch readily."—Alex E. Frye.

Baker, W. G. Realistic elementary geography taught by picture and plan. Blackie: London, 1889.

"In line with the excellent German plan of vivifying the study of geography by means of classified pictures."—Alex E. Frye.

Blackiston, J. R. How to teach geography. pp. 42. Griffith: London, 1886.

"A plea for making the study of nature the basis of text-book teaching. Urges the teaching of map reading."—Alex E. Frye.

Carver, Elvira. How to teach geography. pp. 62. Ed. Pub. Co.: Boston, 1895.

Crocker, Lucretia. Methods of teaching geography. pp. 71. Boston Sch. Supply Co.: Boston, 1884.

Davis, William M. Geographical illustrations: based on the physical features of southern New England. pp. 46. Cambridge, Mass., 1895.

"Rich in suggestions for teaching the relations of geographic forms. Every geography teacher should study this monograph.—Alex E. Frye.

Davis, William M. List of geographical lantern slides. pp. 17. Cambridge, Mass., 1894.

"A list of 126 slides of great value to teachers of geography. The views are type studies of geographic processes, with explanatory notes."—Alex E. Frye.

Davis, William M., and others. Report on governmental maps for use in schools. pp. 64. Holt: N. Y., 1894.

"Very valuable report. It explains briefly the design of each map and the geographical subject which it serves to illustrate."—Alex E. Frye.

Elderton, W. A. Maps and map drawing. pp. 129. Macmillan: N. Y., 1890.

Fisher, G. C. Essentials of geography. pp. 74. New Eng. Pub. Co.: Boston, 1885.

Fowle, W. B. Modern practical geography, on the plan of Pestalozzi. pp. 162. Lincoln: Boston, 1830.

"Chiefly a series of questions for atlas study, but several notes to teachers are of interest as indicating the methods of the time."—Alex E. Frye.

Fowle, W. B. The best method of teaching geography. pp. 27. Boston, 1846.

"Contains a strong plea for the teaching of the permanent facts of geography, instead of ever-changing facts."—Alex E. Frye.

Frye, Alex Everett. How to teach primary geography. pp. 60. Ginn: Boston, 1896.

Frye, Alex Everett. Teacher's manual of geography. pp. 190. Ginn: Boston, 1896.

Frye, Alex Everett. The child and nature: geography teaching with sand modeling. pp. 216. Ginn: Boston, 1888.

Gage, W. L. The life of Carl Ritter. pp. 242. Scribner: N. Y., 1867.

"One of the first duties of every geography teacher is to become familiar with the life and works of Ritter."—Alex E. Frye.

Galton, Francis, and others. Cambridge essays, vol. 1. Parker: London, 1855.

"Pages 79 to 109 contain an article styled 'Notes on modern geography.' Written during the dawn of modern geography, while both Humboldt and Ritter were alive, this article is of interest as it shows the status of the science in England."—Alex E. Frye.

Geikie, Archibald. The teaching of geography. pp. 202. Macmillan: N. Y., 1887.

Griffin, Ida L. Topical geography. pp. 142. Bardeen: Syracuse, 1891.

Guyot, Arnold. Geographical teaching. pp. 36. Scribner: N. Y., 1866.

"Brimful of live suggestions to teachers. Emphasizes the study of nature before symbols, and makes a strong plea for topical study."—Alex E. Frye.

Guyot, Arnold. The earth and man. pp. 334. Scribner: N. Y., 1890.

"Though published as far back as 1849, this is one of the most inspiring works that can be found to-day. It lacks, of course, the method that comes of recent study of physiographic processes, but is very strong on the relation of the earth's slopes to human progress."—Alex E. Frye.

Hales, W. A., and others. Evolution in history, language, and science. pp. 158. Simpkin: London, 1884.

Hillard, G. S. The connection between geography and history. pp. 43. Ticknor: Boston, 1846.

"An admirable presentation of this important topic."—Alex E. Frye.

Hopkins, Louisa P. Handbook of the earth: natural methods in geography. pp. 78. Lee & S.: Boston, 1894.

Humboldt, Alexander von. Cosmos. 5 vols. Bell: London, 1848.

"This must always stand as a great scientific classic. It is not a work for the general reader, but rather for the specialist in geography or related sciences. Volume II contains an excellent history of geography."—Alex E. Frye.

Huxley, Thomas H. Physiography. pp. 384. Macmillan: N. Y., 1885.

"A strong work. The author uses the Thames basin (England) to illustrate the study of nature by observation and experiment."—Alex E. Frye.

Johnston, Keith. A physical, historical, and descriptive geography. pp. 490. Stamford: London, 1881.

"Contains an excellent record of geographical discovery and settlement, illustrated by a series of colored maps. In the absence of a translation of Ritter's *Geschichte der Erdkunde*, this stands perhaps as the best history of geography for the English reader."—Alex E. Frye.

Jolly, W. Realistic teaching of geography. pp. 56. Blackie: London, 1877.

"Will help teachers to put life into the study of text."—Alex E. Frye.

Kellogg, Amos M. Geography by map drawing. pp. 74. Kellogg: N. Y., 1893.

Keltie, J. Scott. Applied geography. pp. 169. Philip: London, 1890.

"Very strong in showing the 'bearings of geographical knowledge on human interests.' The book should be studied by every teacher of geography."—Alex E. Frye.

Keltie, J. Scott. Geographical education. pp. 156. Murray: London, 1885.

"A valuable report on the teaching of geography in European countries, as well as in the United States and Canada. No other work in the English language gives so broad a survey of what the leading schools of the world are doing with this subject. Along the same line, note the report of the (U. S.) commissioner of education, 1892–'93, chapter vii, the teaching of geography in central Europe."—Alex E. Frye.

Keltie, J. Scott, and others. Report of the proceedings of the royal geographical society in reference to the improvement of geographical education. pp. 343. Murray: London, 1886.

An invaluable report. It contains Keltie's report on geographical education (noted above); an excellent bibliography of geography, and four lectures, as follows: The aims and methods of geographical education, by E. G. Ravenstein; appliances used in teaching geography, by J. Scott Keltie; geography in its relation to history, by James Bryce; scientific aspects of geographical education, by H. N. Moseley.

King, C. F. Methods and aids in geography. pp. 518. Lee & S.: Boston, 1889.

Locke, L. F. A geographical manual: outlines of modern geography. pp. 26. Gould: N. Y., 1839.

MacCoun, T. Historical geography of the United States. pp. 46. Silver: Boston, 1890.

"There are 44 excellent maps. Of these, 15 relate to discovery and the colonial period; 12 to national growth, and 17 to the development of the commonwealth. Of great value for historical reference."—Alex E. Frye.

Maltby, A. E. Map modeling in geography and history. pp. 229. Kellogg: N. Y., 1895.

Malte-Brun, Conrad. Universal geography. 8 vols. Wells: Boston, 1826.

"The work of the great Danish geographer must always be of value to the student of the history of geographical teaching."—Alex E. Frye.

Markham, Clements R. The fifty years work of the royal geographical society. pp. 255. Murray: London, 1881.

"Valuable contribution to the history of geography."—Alex E. Frye.

Markham, Clements R. Major James Rennell and the rise of modern English geography. pp. 232. Macmillan: N. Y., 1895.

"The name of James Rennell holds one of the highest places on the roll of British geographers."—Alex E. Frye.

McCormick, Henry. Practical work in geography. pp. 353. Flanagan: Chicago, 1895.

McMurry, Charles A. Special method in geography. pp. 100. Pub. School Pub. Co.: Bloomington, 1894.

Meiklejohn, J. M. D. The best and worst methods of teaching geography. Williams & N: London, 1869.

"Written only ten years after the death of Humboldt and Ritter, this book serves to show the condition of geographical teaching in England at that time." —Alex E. Frye.

Mendenhall, T. C., and others. First report of the United States board on geographic names. pp. 56. Washington, 1892. Second report. pp. 16. Washington, 1895.

"These reports are the standard authority as to the usage and spelling of geographic names in the publications of the various government departments."—Alex E. Frye.

Morton, Eliza H., and others. Modern methods in geography. pp. 98. Ed. Pub. Co.: Boston, 1890.

Murdock, F. F. Outline of elementary geography. pp. 159. Bridgewater, Mass., 1895.

Nichols, W. F. Topics in geography. pp. 202. Heath: Boston, 1890.

Parker, Francis W. How to study geography. pp. 400. Appleton: N. Y., 1889.

Powell, J. W., and others. National geographic monographs. 10 nos. Am. Book Co.: N. Y., 1895.

Ptolemy, Claudius. Universal geography.

"A bibliography of the classic work of this famous Greek-Egyptian geographer has been prepared by Justin Windsor. pp. 42. Cambridge, Mass., 1884. Ptolemy's universal geography is of great interest to students of biblical history, being a record of geographical knowledge soon after the beginning of the Christian era."—Alex E. Frye.

Pulling, F. S. The teaching of geography and history. pp. 32. London, 1882.

"A clear presentation of the relation of two important branches of instruction, with helpful suggestions for teaching both."—Alex E. Frye.

Redway, J. W. Manual of geography. pp. 175. Heath: Boston, 1889.

Redway, J. W. The reproduction of geographical forms. pp. 84. Heath: Boston, 1893.

Ritter, Carl. Comparative geography. Translated by W. L. Gage. pp. 220. Am. Book Co.: N. Y., 1895.

"The teacher who studies this book drinks at the fountain head of comparative geography."—Alex E. Frye.

Ritter, Carl. Geographical studies. Translated by W. L. Gage. pp. 356. Am. Book Co: N. Y., 1895.

"Contains a sketch of the life of Ritter, the introduction to his masterpiece, the *Erdkunde*, and various essays. It should be read and reread by every geography teacher."—Alex E. Frye.

Somerville, Mary. Physical geography. pp. 532. Murray: London, 1877.

"This author takes rank with Guyot in the interpretation of Ritter's geographical work."—Alex E. Frye.

Strabo, the geography of. Translated by H. C. Hamilton and W. Falconer. 3 vols. Bell: London, 1854.

"To the student of the history of geography this translation of the work of the great Greek geographer will prove invaluable. Volume three gives an account of the life and works of Strabo."—Alex E. Frye.

Strachey, R. Lectures on geography. pp. 211. Macmillan, N. Y., 1888.

Trotter, Spencer. Lessons in the new geography. pp. 182. Heath: Boston, 1895.

Wicks, J. F., and **Boyer, J. M.** How to teach and study geography. pp. 555. Flanagan: Chicago, 1895.

Wilkins, Eva D. Descriptive geography taught by means of map drawing. pp. 129. Bardeen: Syracuse, 1893.

5. Number and Arithmetic.

Badanes, Samuel. The falsity of the Grube method of teaching primary arithmetic. pp. 47. N. Y., 1895.

Blain, J. Rationale of arithmetical teaching. Longmans: London, 1857.

Fitch, J. G. Methods of teaching arithmetic. pp. 36. London, 1872.

Giffin, William M. How not to teach, with the way to teach. pp. 84. Barnes: N. Y. [1883].

Grant, Horace. Arithmetic for young children. Edited by Willard Small. pp. 134. Lee: Boston, 1880.

Grube, A. W. Method of teaching arithmetic: also the improvements made upon the method by the followers of Grube in Germany, by Levi Seeley. pp. 177. Kellogg: N. Y., 1889.

Hailmann, W. N. Primary methods. pp. 166. Barnes: N. Y., 1887.

Hanus, Paul H. Geometry in the grammar schools. pp. 45. Heath: Boston, 1893.

Hoose, J. H. Pestalozzian first-year arithmetic. pp. 217. Bardeen: Syracuse, 1882.

Hunter, J. Short methods in arithmetic. pp. 55. London, 1884.

Jackman, Wilbur S. Number work in nature study. pp. 198. Chicago, 1893.

Liversey, T. J. How to teach arithmetic. pp. 95. London [1880].

McLellan, J. A., and **Dewey, John.** The psychology of number and its application to the teaching of arithmetic. pp. 309. Appleton: N. Y., 1895.

Palin, E. F. The best methods of teaching arithmetic. Harrison: Ripon, 1890.

Parker, Francis W. Arithmetic and form. pp. 38. Ware: Boston, 1879.

Reed, E. M., and **Wentworth, G. A.** First steps in number. pp. 474. Ginn: Boston, 1887.

Reiner, C. Lessons in number as given in a Pestalozzian school. pp. 225. Bardeen: Syracuse, 1893.

Speer, W. W. Form lessons: to prepare for and to accompany the study of number. pp. 81. Flanagan: Chicago, 1888.

Speer, W. W. Primary arithmetic; for the use of teachers. pp. 154. Ginn: Boston, 1896.

Contains a valuable essay on the theory of arithmetic.

Soldan, Louis. Grube's method: two essays on elementary instruction in mathematics. Chicago, 1878.

Walker, Francis A. Arithmetic in primary and grammar schools. pp. 29. Boston, 1887.

6. *Drawing.*

See also: X, *e*, 1; XI; XIV, *c*.

Ablett, T. B. How to teach drawing in elementary schools. pp. 124. Blackie: London, 1889.

Anthony, Gardner C. Mechanical drawing. Heath: Boston, 1894.

Text and plates showing geometric problems and their applications to architectural and machine details, drawn in orthographic and isometric projection.

Bailey, Henry T. A first year in drawing. pp. 92. Ed. Pub. Co.: Boston, 1894.

The spirit of the work good. A helpful book for primary teachers.

Baker, L. Science and art of drawing. pp. 101. N. Y., 1883.

Ball, Katherine M. Paper folding and cutting. pp. 45. Prang: Boston, 1895.

Bradley, Milton, editor. Color in the schoolroom. Bradley: Springfield, 1891.

"Presents color as a school study from the scientific standpoint, with a practical nomenclature and with elementary applications in art."—Henry T. Bailey.

Bradley, Milton. Elementary color. With an introduction by Henry Lefavour. pp. 130. Bradley: Springfield, Mass., 1895.

Cavé, Marie E. The Cavé method for learning to draw from memory. pp. 134. Putnam: N. Y., 1871.

Church, A. H. Color: an elementary manual for students. pp. 192 + colored plates. Cassell: New York, 1887.

"A clear, concise statement from the scientific point of view, with suggestive applications in art."—Henry T. Bailey.

Clarke, I. Edwards. Drawing in the public schools. pp. cclix + 842. Bu. of Ed.: Wash., 1885.

Treats of the place and power of art instruction in American education —its past, present, and probable future.

Clark, John S. The art idea in education and in practical life. pp. 15. Prang: Boston, 1894.

Clark, John S., Hicks, Mary Dana, and **Perry, Walter S.** Teacher's manual for the Prang shorter course. pp. 148. Prang: Boston, 1895.

Cross, Anson K. Color study. pp. 73. Ginn: Boston, 1895.

Cross, Anson K. Freehand drawing. pp. 112. Ginn: Boston, 1895.

"Presents model and object drawing in outline, clearly, and indicates its relation to mechanical perspective."—Henry T. Bailey.

Cross, Anson K. Mechanical drawing. pp. 197. Ginn: Boston, 1895.

"A comprehensive and concise presentation of geometry, projection, development, and their applications in the drawing of machine details."—Henry T. Bailey.

Davidson, Thomas. The place of art in education. pp. 44. Boston, 1885.

Day, Lewis F. Text-books of ornamental design: nature in ornament, pp. 247; anatomy of pattern, pp. 53; the planning of ornament, pp. 50; the application of ornament, pp. 74. Batsford: London, 1892.

"All richly illustrated. Specially valuable for decorative treatment of foliage."—Henry T. Bailey.

Dodel, Arnold. Instruction in drawing in primary and intermediate schools in Europe and America. Translated with an introduction by Louis Prang. pp. 35. Prang: Boston, 1889.

French, J. H. Form study and drawing in the common schools. pp. 50. N. Y., 1889.

Harris, William T. Art education the true industrial education. pp. 9. Bardeen: Syracuse, 1889.

Hicks, Mary Dana. The principles of the kindergarten the foundation for art education. pp. 24. Prang: Boston, 1894.

Hicks, Mary Dana, and **Clarke, John S.** The use of models. pp. 183. Prang: Boston, 1887.

An aid to teachers in the use of the Prang models.

Hicks, Mary Dana, and **Clarke, John S.** The Prang primary manual without clay modeling. 2 parts. pp. 157, 151. Prang: Boston, 1887.

Hicks, Mary Dana, and **Locke, Josephine E.** The Prang primary course in art education. Prang: Boston.

Suggestions for the use of form study, drawing, and color.

Hildreth, Ella S. Clay modeling in the schoolroom. pp. 75. Bradley: Springfield, Mass., 1892.

Hulme, F. E. The birth and development of ornament. Macmillan: N. Y., 1894.

Treats of the evolution of ornament and of ornamental units.

Jackson, Frank G. Lessons in decorative design. pp. 173. Chapman: London, 1888.

"Profusely illustrated; adaptation of all sorts of natural forms for decorative purposes, well described and drawn."—Henry T. Bailey.

Jackson, Frank G. Theory and practice of design. pp. 216. Chapman: London, 1888.

Knowlton, H. M. Hints in drawing. pp. 32. Boston, 1883.

Leland, C. G. Industrial art in schools. pp. 37. Bu. of Ed.: Wash., 1882.

MacAlister, James. Art education in the public schools. pp. 18. Prang: Boston, 1893.

Massachusetts art teachers' association: antefix papers. pp. 238. Printed privately. Boston, 1875.

"Preface by Charles C. Perkins. Papers on topics relative to drawing, designing, etc. Rare and valuable for reference."—Henry T. Bailey.

Mayeux, Henri. A manual of decorative composition. pp. 310. Appleton: New York, 1888.

"Elementary principles of constructive and decorative design. Rich in illustration."—Henry T. Bailey.

Miller, Leslie W. The essentials of perspective: text and plates. N. Y., 1887.

A simple, well-illustrated practical course for teachers and students wishing elementary instruction.

Moore, Aimée O. Studies of the science of drawing in art. pp. 130. Ginn: Boston, 1895.

Describes "philograph" and its uses. Helpful to beginners.

Moody, F. W. Lectures and lessons on art. pp. 176. Bell: London, 1880.

"Specially valuable for beginners in elementary applied design, decorative composition, draperies, and the posing of figures."—Henry T. Bailey.

Morris, J. H. The teaching of drawing. Longmans: London, 1893.

Prang, Louis, Hicks, Mary Dana, and **Clark, John S.** Suggestions for instruction in color. pp. 187. Prang: Boston, 1895.

"Suggestive as correlating color study and literature."—Henry T. Bailey.

Redgrave, Gilbert R., editor. Manual of design. pp. 173. Chapman: London, 1882.

Redgrave, Gilbert R. Outlines of historic ornament. pp. 200. Chapman: London.

Ruskin, John. The elements of drawing: three letters to beginners. pp. 193. London.

"Helpfully suggestive upon such topics as sketching from nature and pictorial composition."—Henry T. Bailey.

Ruskin, John. The laws of Fésole. pp. 135. Wiley: N. Y.

"Lessons and suggestions to young students upon the principles and practice of elementary drawiug and painting."—Henry T. Bailey.

Smith, Walter. Art education: scholastic and industrial. pp. 398. Osgood: Boston, 1872.

"Valuable historically and for general reading. Helpful suggestions in applied design."—Henry T. Bailey.

Smith, Walter. Popular indnstrial art. pp. 110. Rand: Boston, 1882.

Smith, Walter. Prize report on the art educational section of the Paris exhibition of 1867. pp. 23. Simpkins: London, 1869.

Taylor, Edward R. Elementary art teaching. pp. 166. Chapman: London, 1891.

"An educational and technical guide for [English] teachers and learners. Probably the best that has yet appeared."—Sonnenschein.

Turner, Ross. On the use of water colors for beginners. pp. 29. Prang: Boston, 1896.

Turner, Ross, and **Morse, Edward S.** Art in the schoolroom: pictures and their influence. pp. 36. Prang: Boston, 1893.

White, Gleeson, editor. Practical designing. Bell: N. Y., 1894.

"Considers limitations and requirements imposed by material. A compilation of articles by practical designers."—Henry T. Bailey.

Whitter, James C. Art education: published bimonthly. The Whitter Co.: N. Y.

Yeats, E. C. Brush work. 24 plates with text. Philip: London, 1896.

Suggestive in kindergarten and primary brush work.

7. *Music.*

See also: X, *e*, 2.

Bach, A. B. On musical education. pp. 272. Edinburgh, 1883.

Batchellor, D., and **Charmbury, T.** Manual for teachers to accompany the tonic sol-fa music course. pp. 55. Gilson: Boston [1884].

Bishenden, C. J. A singing lesson and how to teach it. pp. 55. London [1881].

Brooks, Edward. Special report on the teaching of music. pp. 20. Philadelphia [1895].

Crane, J. Ettie. Fundamental principles of vocal music arranged in logical order. pp. 14. Potsdam, 1890.

Curwen, John. Musical theory. [Tonic sol-fa system.] pp. 364. London [1879].

Curwen, John. Teacher's manual of the tonic sol-fa method. Curwen: London, 1887.

Curwen, J. S. The story of tonic sol-fa. pp. 30. London, n. d.

Gardiner, A. Rudiments of the theory of music. pp. 229. Heywood: London [1893].

Höring, A. The method of the future for teaching music. pp. 15. London [1883].

Hullah, John. Method of teaching singing. Longmans: London, 1880.

Hullah, John. Time and tune in the elementary school. Longmans: London, 1874.

Inman, F. Plan for teaching music to a child. Laurie: London, 1875.

Mason, Lowell. How shall I teach music? pp. 32. Ditson: Boston, 1875.

Mason, Lowell, and **Seward, Theodore F.** The Pestalozzian music teacher. pp. 314. Ditson: Boston [1871].

Pinsuti, C. E. Hints to teachers on singing. pp. 23. London [1880].

Ritter, F. L. The history of music. pp. 524. Ditson: Boston [1883].

Silver, Edgar O. Condition of music instruction in the public schools of the United States. pp. 17. New Eng. Pub. Co.: Boston, 1890.

Tilden, W. S. Papers on school music. pp. 38. New Eng. Pub. Co.: Boston, 1889.

Tufts, J. W., and **Holt, H. T.** Manual for the use of teachers to accompany the charts of the normal music course. pp. 48. Appleton: N. Y., 1884.

Wade, L. T. The Quincy course of study in music, with general suggestions to teachers. pp. 96. Silver: Boston, 1889.

Warren, Charles, and others. The study of music in public schools. pp. 78. Bu. of Ed.: Wash., 1886.

Watkins, A. Singing in elementary schools. Curwen: London, 1885.

Zuchtmann, F., and **Kirtland, E. L.** The American music system: teachers' manual. pp. 113. King: Springfield, Mass., 1893.

b. Secondary and Higher.

1. English.

Bain, Alexander. On teaching English. Appleton: N. Y.

Blaisdell, Albert F. First steps with American and British authors. pp. 345. Lee: Boston, 1889.

Bowen, H. Courthope. English literature teaching in schools. Percival: London, 1891.

Collins, John C. The study of English literature. pp. 167. Macmillan: N. Y., 1891.

An attack on the universities of Oxford and Cambridge for their attitude toward the study of English literature, and a plea for its recognition.

Eaton, A. W. College requirements in English. pp. 104. Ginn: Boston, 1894.

Gayley, C. M., and **Bradley, C. B.** English in the secondary schools. pp. 68. Berkeley, Cal., 1894.

Genung, J. F. The study of rhetoric in the college course. pp. 32. Heath: Boston.

Gow, James. A method of English chiefly for secondary schools. Macmillan: London, 1892.

Hill, A. S. Our English. N. Y., 1889.

Contents: English in schools; English in colleges; English in newspapers and novels; English in the pulpit; colloquial English.

Huffcut, E. W. English in preparatory schools. pp. 28. Heath: Boston, 1888.

Hudson, Henry N. Essays on education, English studies, and Shakespeare. Ginn: Boston, 1884.

Morley, John. The study of literature. Macmillan: London, 1887.

Pattee, F. L. Literature in the public schools. pp. 48. Bardeen: Syracuse, 1891.

Payne, George M., editor. English in American universities. pp. 242. Heath: Boston, 1895.

Scott, Fred N., and **Denney, Joseph B.** Paragraph writing. pp. 304. Allyn: Boston, 1895.

Sidgwick, A. On the teaching of composition. Rivington: London, 1889.

Stone, Charles W. A rejoinder to the report of the committee on composition and rhetoric of the overseers of Harvard college. pp. 30. Sever: Cambridge, 1893.

Underwood, F. H. English literature and its place in popular education. pp. 24. Boston, 1872.

Woodward, F. C. English in the schools. pp. 25. Heath: Boston, 1895.

2. Modern Languages.

Chamberlin, A. F. Modern languages and classics in America and Europe since 1880. pp. 60. Toronto, 1891.

Colbeck, C. On teaching modern languages: in theory and practice. pp. 87. Cambridge Press, 1887.

Comfort, George F. Modern languages in education. pp. 40. Bardeen: Syracuse, 1886.

Cornelius, B. On Jacotot's method of nniversal instruction. Taylor: London, 1830.

Elliott, A. Marshall. University work in the Romance languages. pp. 16. Baltimore, 1891.

Elliott, A. Marshall, and others. Methods of teaching modern languages: papers on the value and on methods of modern language instruction. pp. 185. Heath: Boston, 1893.

The ablest late presentation of the subject. A series of thirteen papers by professors of modern languages in the leading American institutions. Contents: Modern languages as a college discipline; observations upon method in the teaching of modern languages; reading in modern language study; the natural method (criticised); notes on the teaching of French; practical and psychological tests of modern language study; collegiate instruction in the Romance languages; how to use modern languages as a means of mental discipline; the teaching of German and French in our public high schools; aim and scope of the study of modern languages and methods of teaching them; the natural method (explained); the "reader" the center of modern language teaching; use of the foreign languages in the classroom.

Elliott, A. Marshall, and others, **editors.** Modern language notes. 8 nos. a year. Published by the editors. Baltimore, 1886 to date.

Gouin, Francis. The art of teaching and studying languages. Translated by Howard Swan and Victor Bétis. Philip: London, 1892.

Hockdoerfer, C. F. R. The study and teaching of modern languages. pp. 15. Springfield, 1893.

Isnard, R. J. Hints on language as a means of mental discipline and on the study of the modern languages. pp. 96. London, 1890.

Laurie, S. S. Lectures on language and linguistic method in the school. pp. 197. Thin: Edinburgh, 1893.

One of the most valuable recent contributions to the literature of modern language teaching.

Lévy, Jules. The stndy of modern languages. pp. 26. Williams: Boston, 1878.

Lichtenberger, F. How to teach and learn modern languages. pp. 149. London, 1880.

Lowell, James Russell. Latest literary essays and addresses. Houghton: Boston, 1892.

Contains a chapter on the study of modern languages.

Nettleship, H. Study of modern European languages in the university of Oxford. pp. 20. Oxford, 1887.

Quick, Robert Hebert. First steps in teaching a foreign language. Nutt: London, 1875.

Schaible, Charles H. The theory and practice of teaching modern languages in schools. pp. 58. Trübner: London, 1863.

Strong, Herbert A. Methods of teaching modern languages in Belgium. Eyre: London, 1893.

Sumichrast, F. C. de. Notes on the teaching of French. pp. 40. Boston, 1892.

The relative importance of ancient and modern languages considered as branches of general education. pp. 71. Appleton: N. Y., 1856.

Valuable for the footnotes which refer to the literature of the subject.

Thiron, A. Teaching of French in English schools. pp. 20. London, 1888.

Ticknor, George. Lecture on the best methods of teaching the living language. pp. 19. Boston, 1833.

Transactions of the modern language association. 1886 to date. Published by the association. Baltimore.

These transactions contain much of the best literature on the teaching of modern languages, among which are the following important articles:

Vol. I. Aims and methods of collegiate instruction in modern languages, W. T. Hewett; modern classical course, F. V. N. Painter; German classics as a means of education, Julius Goebel; the Realgymnasium question, A. Marshall Elliott.

Vol. II. Study of modern languages in our higher institutions, Franklin Carter; recent educational movements in their relation to language study, F. V. N. Painter.

Vol. III. Study of modern literature in the education of our time, James MacAlister; teaching of a foreign literature in connection with the seminary system, H. S. White; methods of teaching foreign languages, C. F. Kroeh.

Vol. V. Reading in modern language study, E. S. Joynes.

Vol. VI. How to use modern languages as a means of mental discipline, E. H. Babbitt.

Vol. VIII (new series Vol. I). Recollections of language teaching, Francis A. March; preparation of modern language teachers for American institutions, E. H. Babbitt.

Widgery, W. H. The teaching of languages in schools. Nutt: London, 1889.

3. Ancient Languages.

Adams, Charles Francis. A college fetich. pp. 38. Lee: Boston, 1893.

On the study of Latin and Greek.

Amos, A. Advantages of a classical education. pp. 281. London, 1846.

Beattie, J. Remarks on the usefulness of classical learning. Roper: London, 1822.

Bigelow, Jacob. Classical and utilitarian studies. pp. 57. Little: Boston, 1867.

Brenan, J. The utility of Latin discussed. Wilson: London, 1830.

Clark, E. C. Greek and other studies at Cambridge. Macmillan & B.: Cambridge, 1891.

"Recognizes the value of Greek in a liberal education, but argues that the knowledge of it required at present is only a sham."—Sonnenschein.

Donaldson, J. W. Classical scholarship and classical learning. Deighton: London, 1856.

Essays on a system of classical education, containing the methods of Locke, Milton, Ascham, and Colet. Walton: London, 1837.

Farrar, F. W., editor. Essays on liberal education. pp. 384. Macmillan: London, 1867.

Contents: On the history of classical education; theory of classical education; liberal education in universities; teaching by means of grammar; Greek and Latin verse composition; teaching natural science in schools; the teaching of English; education of the reasoning faculties; present social results of classical education.

Hale, W. G. Aims and methods of classical study. Boston, 1888.

Hale, W. G. The art of reading Latin: how to teach it. Boston, 1887.

Hamerton, Philip Gilbert, and others. Higher education and a common language. pp. 120. Barnes: N. Y. [1879].

Hodgson, W. B. Classical instruction: its use and abuse. Chapman: London, 1854.

Horwill, H. W. Right method of studying the Latin classics. pp. 26. Oxford, 1887.

Kennedy, John. Must Greek go? pp. 66. Bardeen: Syracuse, 1894.

Lyttleton, E., and others. Thirteen essays on education. pp. 321. Percival: London, 1891.

Contents: Principles and practice; compulsory Greek; teaching of music in public schools; religious education of boys; scholarship question; commercial education; prospective character of school training; teaching of Holy Scripture; an educational museum; in behalf of Greek; teaching of English literature; universities and specialities; teaching of Greek.

Morris, Edward T. The study of Latin in the preparatory course. pp. 27. Heath: Boston.

Müller, Max. The lectures on the science of language and its place in a general education. Longmans: London, 1889.

Murray, G. G. A. The place of Greek in education. pp. 16. Glasgow, 1889.

Nettleship, Henry. The moral influence of literature and classical education in the past and present. Percival: London, 1890.

"Two popular addresses, the second of which is a powerful apology for the retention of classics."—Sonnenschein.

Richardson, C. M. Latin in the preparatory schools. pp. 16. Crocker: San Francisco, 1891.

Robson, J. Methods of teaching Latin and Greek. Walton: London, 1847.

Sears, Barnas. The Ciceronian: or the Prussian method of teaching the elements of the Latin language. pp. 184. Boston, 1845.

Stephens, J. K. The living languages. Macmillan & B.: Cambridge, 1891.

A defense of compulsory Greek at the university of Cambridge, a motion for the abolition of which was offered in the senate in 1891.

Taylor, S. H. The method of classical study. Boston, 1861.

Taylor, S. H. Classical study. pp. 381. Andover, 1870.

A reply to the demands for science contained in Youman's Culture demanded by modern life.

4. History.

See also: XII, *d*.

Adams, C. K. A manual of historical literature. pp. 665. N. Y., 1882.

"A descriptive and critical bibliography, covering the field of general history, especially good in the field of American history. A new edition is a great desideratum, and much has appeared during the last decade."—Mary Sheldon Barnes.

Adams, Herbert B. The study of history in American colleges and universities. pp. 299. Bu. of Ed., 1887.

"Descriptive of actual courses given at the date of publication."—Mary Sheldon Barnes.

Adams, Herbert B. Methods of historical study [Johns Hopkins university studies]. pp. 136. Baltimore, 1884.

"Deals with method as applied to advanced courses in history, such as are given in university work."—Mary Sheldon Barnes.

Allen, William F. History topics: for the use of high schools and colleges. pp. 121. Heath: Boston, 1886.

Atkinson, W. P. On history and the study of history. pp. 107. Roberts: Boston, 1884.

Barnes, Mary Sheldon. Teachers' manual to general history. pp. 172. Heath: Boston, 1894.

A good book for teachers on the seminary method of historical instruction.

Barnes, Mary Sheldon. Teachers' manual to American history. pp. 155. Heath: Boston, 1893.

"This is a book executed along the lines of a more vital, original, and stimulating method."—Moses Coit Tyler.

Barnes, Mary Sheldon. Studies in historical method. Heath: Boston, 1896.

A valuable work. Approaches the subject inductively, by studies in the historic sense in children and savages, and a survey of the actual history of history.

Bascom, John. The historic sense. pp. 12. [Chicago, 1881.]

Bigland, John. Letters on the study and use of history. Phila., 1806.

Browning, Oscar. Teaching of history in schools. pp. 20. London, 1887.

Chamberlain, Mellen. Remarks on the new historical school. pp. 18. Wilson: Cambridge, 1890.

Droysen, J. G. Outlines of the principles of history. Translated by E. Benj. Andrews. pp. xxiv + 122. Ginn: Boston, 1893.

"A very philosophical discussion of history, its field, its nature, its relations, its higher method."—Mary Sheldon Barnes.

Foster, Frank H. The seminary method of original study in the historical sciences. pp. 129. Scribner: N. Y., 1888.

"One of the most excellent books on method that has ever appeared; especially valuable for advanced students."—Mary Sheldon Barnes.

Fredericq, Paul. The study of history in Germany and France. [Johns Hopkins university studies.] pp. 118. Baltimore, 1890.

"Valuable as a picture of actual work in universities: the most useful by far of Fredericq's three studies, on account of the superior work done in Germany and France."—Mary Sheldon Barnes.

Fredericq, Paul. The study of history in England and Scotland. [Johns Hopkins university studies.] pp. 54. Murray: Baltimore, 1887.

Deals with university work, which is not so advanced.

Fredericq, Paul. The study of history in Holland and Belgium. [Johns Hopkins university studies.] pp. 62. Baltimore, 1890.

Deals with *actual* work in the universities.

Freeman, Edward A. How the study of history is let and hindered. pp. 32. [London, 1879.]

"All these books of Freeman's discuss the large principles governing the study of history; inspiring, like all of Freeman's work."—Mary Sheldon Barnes.

Freeman, Edward A. The office of the historical professor. pp. 61. Macmillan: London, 1884.

Freeman, Edward A. Methods of historical study. pp. 335. Macmillan: London, 1886.

Gordy, W. F., and **Twitchell, W. I.** A pathfinder in American history, for the use of teachers. pp. 216. Lee: Boston, 1895.

Hall, G. Stanley, editor. Methods of teaching history. pp. xii + 207, 92. Heath: Boston, 1883.

"This book deals with history in the secondary schools, and contains many valuable contributions from specialists."—Mary Sheldon Barnes.

Harris, William T. Syllabus of topics for oral lessons in history. pp. 15. Jones: St. Louis, 1880.

Hegel, G. W. F. Lectures on the philosophy of history. Translated by S. Sibree. pp. xxxix + 477. Bell: London, 1881.

Hinsdale, B. A. How to study and teach history. pp. xxii + 346. Appleton: N. Y., 1894.

"A valuable book for the teacher of history in the secondary schools."—Mary Sheldon Barnes.

Lecky, W. E. H. The political value of history. pp. 57. Arnold: London, 1892.

Mead, Edwin D. On the study of history. pp. 44. [Boston, 1888.]

Peabody, Elizabeth P. First steps to the study of history. pp. 89. Hillard: Boston, 1832.

Saint John, H. Letters on the study and use of history. pp. 280. London [1881].

Shedd, W. G. T. The nature and influence of the historical spirit. pp. 52. Andover, 1854.

Smith, Goldwin. Lectures on the study of history. pp. 190. Parker: London, 1865.

Vericour, R. de. The study of history as a branch of education. London, 1869.

Wells, J. The teaching of history in schools. Methuen: London, 1892.

White, Andrew D. European schools of history and politics. pp. 89. Murray: Baltimore, 1887.

"A large and practical review of the subject, dealing with schools of university grade."—Mary Sheldon Barnes.

Zerffi, G. G. Studies on the science of history. London, 1887.

5. Economics, Politics, and Sociology.

Ashley, W. J. On the study of economic history. pp. 24. [Boston, 1893.]

Atkinson, W. P. The study of politics. pp. 63. Roberts: Boston, 1888.

Bourinot, J. G. The study of political science in Canadian universities. pp. 16. Montreal, 1889.

Bowker, R. R., and **Iles, George.** The reader's guide in economics, social and political science. pp. 169. Putnam: N. Y., 1891.

Contains very good bibliographical references to the literature published before 1891.

Cossa. Luigi. Guide to the study of political economy. pp. 237. Macmillan: London, 1880.

Dewey, D. R. The study of statistics. pp. 18. Baltimore, 1889.

Falkner, R. P. Instruction in economics in Italy. Am. Acad. of Pol. and Soc. Science, Phila.

Henderson, C. R. A catechism for social observation. pp. 58. Heath: Boston.

Henderson, C. R. Introduction to the study of dependent, defective, and delinquent classes. pp. 287. Heath: Boston, 1893.

Hodgson, W. B. The importance of the study of economic science as a branch of education. Paul: London, 1870.

Laughlin, J. L. The study of political economy; hints to students and teachers. pp. 153. Appleton: N. Y., 1895.

Lieber, Francis. The ancient and the modern teacher of politics. pp. 35. N. Y., 1860.

Marshall, A. The present position of economics. Macmillan: London, 1885.

Patten, Simon N. The educational value of political economy. Sonnenschein: London, 1891.

Mayo-Smith, Richmond. Statistics and sociology. pp. 399. Macmillan: London, 1895.

"A readable book—no common merit in the literature of statistics—and a trustworthy manual."—W. F. Willcox.

Ritchie, D. G. Political science at Oxford. Am. Acad. Pol. and Soc. Sci., Phila.

Row, L. S. Instruction in public law and economics in Germany. Am. Acad. of Pol. and Soc. Sci., Phila.

Row, L. S. Instruction [in public law and economics] in French universities. Am. Acad. Pol. and Soc. Sci., Phila.

Sidgwick, H. Scope and method of economic science. Macmillan: N. Y., 1885.

Small, Albion W., and **Vincent, George E.** An introduction to the study of society. pp. 384. Am. Book Co.: N. Y., 1894.

Warner, Amos G. American charities: a study in philanthropy and economics. pp. 430. Crowell: N. Y. [1894].

Warner, Amos G., editor. Sociology in institutions of learning [a report of the seventh section of the international congress of charities, corrections, and philanthrophy]. Baltimore, 1894.

White, Andrew D. European schools of history and politics. pp. 76. Baltimore, 1887.

White, Andrew D. Instruction in social science. pp. 24. n. p., 1891.

Wright, Carroll D. Popular instruction in social science. Crosby: Boston, 1886.

Wright, Carroll D. The study of statistics in colleges. pp. 21. Boston, 1887.

6. Science.

Agassiz, Louis. Methods of study in natural history. pp. 319. Ticknor. Boston, 1863.

Campbell, John P. Biological teaching in the colleges of the United States. pp. 183. Bu. of Ed.: Wash., 1891.

Clarke, Frank W. A report on the teaching of chemistry and physics in the United States. pp. 281. Bu. of Ed.: Wash., 1881.

Cooke, Josiah P. Scientific culture and other essays. pp. 159. N. Y., 1881.

Dale, Thomas N. Scientific studies: their place and use in education. pp. 23. Poughkeepsie, 1878.

Frankland, E. How to teach chemistry. Churchill: London, 1875.

Galloway, R. Education, scientific and technical. pp. 462. London, 1881.

Häckel, Ernst. Freedom in science and teaching. Paul: London, 1879.

Reply to Virchow's attack on the teaching of evolution in the elementary schools.

Huxley, Thomas H. Science and education. pp. 451. Appleton: N. Y., 1894.

Macalister, A. History of the study of anatomy at Cambridge. Cambridge Press: Cambridge, 1891.

Nicholson, H. A. The study of biology. pp. 163. Appleton: N. Y., 1880.

Palmer, A. B. The temperance teachings of science. pp. 163. Heath: Boston.

Phenix, G. P. First lessons in chemistry. pp. 41. Heath: Boston, 1895.

Shaler, N. S. Directions for teaching geology. pp. 73. Heath: Boston, 1893.

Spanton, J. Preparation for science teaching. pp. 124. London, 1882.

Virchow, R. Freedom of science in the modern state. Murray: London, 1878.

A protest against the teaching of evolution in the lower grade schools.

Wead, Charles K. Aim and methods of the teaching of physics. pp. 158. Bu. of Ed.: Wash., 1894.

Winchell, Alexander. Shall we teach geology? Chicago, 1889.

Wood, G. D. The study of the physical sciences. Calder: London, 1864.

Wright, Adler. The threshold of science. Griffin: London, 1892.

Youmans, E. L., and others. The culture demanded by modern life: a series of addresses and arguments on the claims of scientific education. pp. 473. Appleton: N. Y., 1889.

7. Mathematics.

Ball, W. W. Rouse. History of the study of mathematics at Cambridge. pp. 264. Cambridge Press, 1889.

Ball, W. W. Rouse. Mathematical recreations and problems of past and present times. pp. 240. Macmillan: N. Y., 1892.

Bledsoe, Albert. Philosophy of mathematics. pp. 246. Lippincott: Phila., 1875.

Brooks, Edward. Philosophy of arithmetic. Penn Pub. Co.: Phila., 1895.

Cajori, Florian. History of mathematics. pp. 422. Macmillan: N. Y., 1894.

Cajori, Florian. The teaching and history of mathematics in the United States. pp. 400. Bu. of Ed.: Wash., 1890.

Comte A. Philosophy of mathematics. Translated by W. M. Gillespie. pp. 260. Harper: N. Y., 1871.

Davies, Charles. Logic and unity of mathematics. pp. 375. Barnes: N. Y., 1869.

Davies, Charles. Outlines of mathematical science. pp. 168. Barnes: N. Y., 1873.

Gow, J. Short history of Greek mathematics. pp. 323. Cambridge, 1884.

Hornbrook, Adelia R. Laboratory methods of teaching mathematics in secondary schools. pp. 16. Am. Book Co.: N. Y. [1895].

Iles, George. A class in geometry: lessons in observation and experiment. pp. 46. Kellogg: N. Y., 1894.

Jones, Joshua. On the unsuitableness of Euclid as a text-book of geometry. pp. 46. London, 1870.

Lefevre, Arthur. Number and its algebra. pp. 230. Heath: Boston, 1896.

MacDonald, J. W. Study of geometry in secondary schools. pp. 137. Boston, 1889.

Parks, Uriah. Lectures on the philosophy of arithmetic. pp. 395. Phila., 1855.

Safford, T. H. Mathematical teaching and its modern methods. pp. 47. Heath: Boston, 1887.

Whewell, William. On the principles of English university education, including thoughts on the study of mathematics. pp. 189. Parker: London, 1838.

VI. SCHOOL ADMINISTRATION.

a. **Management.**

1. Organization and Discipline.

Baldwin, J. The art of school management. pp. 504. Appleton: N. Y., 1881.

Batsdorf, J. B. The management of country schools. pp. 33. Bardeen: Syracuse, 1891.

Blackiston, J. R. The teacher: hints on school management. pp. 91. Macmillan: London, 1879.

Collins, G. Notes on school management. pp. 176. London [1884].

Copner, J. Hints on the education of children. Rivingtons: London, 1860.

Crandal, W. L. Three hours school day.. pp. 264. Albany, 1854.

Dwight, Theodore. The father's book: or suggestions for the government and instruction of young children. pp. 199. Merriam: Springfield, 1834.

Gladman, F. J. School work: I. Control and teaching. II. Organization and principles of education. pp. 306 + 234. London, 1885.

Hale, S. J. Infant school management. pp. 264. London, 1886.

Hall, Samuel R. Lectures on school-keeping. pp. 100. Richardson: Boston, 1832.

Holbrook, Alfred. School management. pp. 272. N. Y.

Hughes, James L. How to keep order. pp. 48. Kellogg: N. Y., 1895.

Hughes, James L. Mistakes in teaching. pp. 115. Kellogg: N. Y., 1895.

Hughes, James L. Securing and retaining attention. pp. 90. Kellogg: N. Y., 1893.

Jewell, F. S. School government. pp. 308. N. Y., n. d.

Johnson, Anna. Education by doing. pp. 100. Kellogg: N. Y., 1895.

Jolly, W. The public school: its organization, management, and teaching. pp. 52. Laurie: Edinburgh, 1874.

Joyce, P. W. Handbook of school management. Simpkin: London, 1867.

Kellogg, Amos M. School management: a practical guide for the teacher in the schoolroom. pp. 124. Kellogg: N. Y., 1884.

Kennedy, John. Philosophy of school discipline. pp. 23. Bardeen: Syracuse.

Kennedy, John. The school and the family: the ethics of school relations. pp. 205. Harper: N. Y., 1878.

Klemm, L. R. Chips from a teacher's workshop. pp. 408. Lee: Boston, 1888.

Landon, Joseph. School management. pp. 376. Paul: London, 1883.

McMurry, Charles. How to conduct the recitation. pp. 34. Kellogg: N. Y., 1895.

Northend, Charles. The teacher's assistant: or hints and methods in school discipline and instruction. pp. 358. Crosby: Boston, 1860.

Orcutt, Hiram. Methods of school discipline. pp. 14. Bu. of Ed.: Wash., 1871.

Orcutt, Hiram. School keeping: how to do it. pp. 244. New Eng. Pub. Co.: Boston, 1885.

Orcutt, Hiram. The teacher's manual. pp. 270. Thompson: Boston [1871].

Pattison, Mark. Suggestions on academical organization. Edmonston: Edinburgh, 1868.

Prince, J. J. School management and method. pp. 296. London 1886.

Raub, A. N. School management. pp. 285. Lock Haven, 1882.

Redmond, I. L. Children: their home training. pp. 149. London, 1890.

Robinson, Robert. On school method and organization. Longmans: London, 1876.

Sands, Nathaniel. Philosophy of teaching. Harper: N. Y., 1869.

Shaw, Edward R., and **Donnell, Webb.** School devices: a book of ways and suggestions for teachers. pp. 217. Kellogg: N. Y., 1886.

Sidgwick, A. Form discipline. pp. 49. London, 1887.

Sidgwick, A. Stimulus in school. pp. 33. Kellogg: N. Y., 1892.

Tompkins, Arnold. The philosophy of school management. pp. 218. Ginn: Boston, 1895.

Wickersham, James P. School economy: a treatise on the preparation, organization, employment, government, and authorities of schools. pp. 381. Lippincott: Phila., 1874.

Wiggin, H. R. R., and **Graves, A. P.** Elementary school manager. Isbister: London, 1883.

2. Corporal Punishment.

Adderly, C. National education and punishments. Longmans: London, 1874.

Cobb, Lyman. The evil tendencies of corporal punishment as a means of moral discipline in families and schools, examined and discussed. pp. 270. Newman: N. Y., 1847.

A most exhaustive treatment of the subject.

Bertram, James G. Flagellation and the flagellants: a history of the rod in all countries. pp. 544. Reeves: London, 1877.

Humphreys, R. C. Corporal punishment. pp. 26. Ellis: Boston, 1892.

Jones, A. The philosophy of corporal punishment. Constable: London, 1859.

Massachusetts: report on the abolition of corporal punishment in the public schools. pp. 48. Wright: Boston, 1868.

New York city: report on corporal punishment [board of education]. pp. 34. N. Y., 1877.

Wyman, Morrill. Progress in school discipline: corporal punishment in the public schools. pp. 48. Wilson: Cambridge, Mass., 1867.

3. Amusements and General Exercises.

Arbor day: how to celebrate it in the schoolroom. pp. 128. Kellogg: N. Y., 1895.

How to celebrate Thanksgiving and Christmas in the schoolroom. pp. 132. Kellogg: N. Y., 1895.

Milne, James M. Teachers' institutes, past and present. pp. 22. Bardeen: Syracuse, 1894.

Root, N. W. T. School amusements: or how to make the school interesting. pp. 225. Barnes: N. Y., 1876.

Skinner, Charles R. Arbor day manual. pp. 475. Bardeen: Syracuse, 1896.

Smith, H. Festivals, games, and amusements, ancient and modern. Colburn: London, 1831.

Yawger, Rose N. How to celebrate arbor day. pp. 14. Bardeen: Syracuse, 1892.

4. School Savings Banks.

Oberholtzer, Sara L. School savings banks. Am. Acad. Pol. and Soc. Sci.: Phila.

Postal savings banks for the United States. pp. 23. N. Y., 1885.

Thiry, J. H. School savings banks in the United States. pp. 48. N. Y., 1890.

5. Libraries and Museums.

Adams, Charles Francis. The public library and the common schools. pp. 51. Estes: Boston, 1879.

Bean, Mary A. A list of books selected for the use of pupils of the public schools of Brookline. pp. 32. Cummings: Boston, 1879.

Brief sketch of the operations of the Russian pedagogic museum. pp. 22. St. Petersburg, 1893.

Dawson, O. E. Hints on the formation of libraries in schools. pp. 23. London [1881].

Forbes, E. Educational uses of museums. London, 1858.

Goode, G. Brown. The museums of the future. Wash., 1891.

Green, S. S. Libraries and schools. pp. 126. N. Y., 1883.

Greenwood, Thomas. Sunday school and village libraries. pp. 95. Clarke: London, 1892.

Hewins, C. M. Books for the young. pp. 94. N. Y., 1883.

Mason, Otis T. The educational aspects of the United States national museum. pp. 15. Baltimore, 1890.

Monroe, Will S. Educational museums and libraries of Europe. pp. 18. N. Y., 1896.

Salmon, E. Juvenile literature as it is. pp. 240. London, 1888.

Wheatley, H. B. How to form a library. Stock: London, 1886.

Winsor, Justin, and others. College libraries as aids to instruction. pp. 27. Bu. of Ed.: Wash., 1880.

6. School Books.

Johnson, R. T., and **Cooke, G. W.** Sectarian school books. pp. 337. Mudge: Boston, 1889.

Payne, W. H. State uniformity in text-books. pp. 11 + 4. Adrian, Mich., 1871.

Pope, A. A. Errors in school books. pp. 24. Boston, 1892.

Russell, John. On the publication of school books by the government at public expense. pp. 4 + 14. Longmans: London, 1851.

Sprague, Homer B. Ought text-books to be supplied gratuitously to all children in the public schools? pp. 23. Winchell: Chicago [1888].

Trumbull, J. H. The New England primer and its predecessors. Phila., 1882.

b. Supervision.

Adams, Charles Francis. State school supervision. pp. 14. Estes: Boston, 1881.

Balliet, Thomas M. The work of the city superintendent. pp. 15. [Wash., 1890.]

Draper, A. S. School administration in large cities. pp. 53. Albany, 1889.

Edson, A. W. Supervision of schools in Massachusetts. pp. 24. Boston, 1895.

Fearon, D. R. School inspection. Macmillan: London, 1887.

Northrop, B. G. Supervision of schools. pp. 32. Boston, 1864.

Payne, W. H. Chapters on school supervision. pp. 215. Am. Book Co.: N. Y., 1894.

Pickard, J. L. School supervision. pp. 175. Appleton: N. Y., 1890.

Wells, O. E., editor. The township system of school government. pp. 90. Madison, Wis., 1894.

Wells, W. H. Graded course of instruction for public schools. Barnes: N. Y., 1862.

c. Examinations and Degrees.

Acland, T. D. Origin and objects of Oxford school examinations. Ridgway: London, 1858.

Barnard, F. A. P. Two papers on academic degrees. pp. 34. N. Y., 1880.

Biggs, R. On some dangers connected with examinations. Dublin, 1881.

Ferree, Barr. Education and examination. pp. 36. Scott Pub. Co.: N. Y., 1889.

Herbert, Auberon. The sacrifice of education to examination. pp. 204. Williams: London, 1889.

Latham, Henry. On the action of examinations. pp. 400. Lee: Boston, 1886.

A standard work.

Leighton, R. F. Harvard examination papers. pp. 164. Ginn: Boston, 1873.

Le Row, Caroline B. The young idea. pp. 214. Cassell: N. Y., 1888.

Maxwell, W. H. Examinations as tests for promotion. pp. 11. Bardeen: Syracuse, 1890.

McCabe. Recent changes in the requirements for the degree of master of arts [at university of Virginia]. pp. 60. Charlottesville, Va., 1892.

Monroe, Will S. Examinations and promotions in the schools of California. pp. 13. Fisher: Oakland [1893].

Murray, David. The use and abuse of examinations. Bardeen: Syracuse, 1880.

Peck, H. T., and others. The ethics of the marking system. pp. 28. N. Y., 1891.

A discussion of the question of dishonesty in college examinations.

Perry, E. D. The practice of German universities concerning the duplication of degrees and the subdivision of subjects for the degree of Ph. D. pp. 24. [N. Y., 1893.]

Smith, Charles F. Honorary degrees as conferred in American colleges. pp. 9. Bardeen: Syracuse, 1889.

Thomas, F. S. University degrees. pp. 40. Bardeen: Syracuse, 1887.

Todhunter, Isaac. The conflict of studies. pp. 242. Macmillan: London, 1873.

Walton, George A. Report of the examinations of schools in Norfolk County, Massachusetts. pp. 283. Lee: Boston, 1880.

White, Emerson E. Promotions and examinations in graded schools. pp. 64. Bu. of Ed.: Wash., 1891.

Wooton, E. A guide to degrees in arts, science, literature, law, music, and divinity, in the United Kingdom, the colonies, the continent, and the United States. pp. 724. London, 1883.

d. Electives.

Boone, Richard G. Results under an elective system. pp. 36. N. Y., 1892.

Brearley, Samuel. The [elective] system of instruction at Harvard college. pp. 37. Putnam: N. Y., 1886.

Garnett, James M. The elective system of the university of Virginia. pp. 17. [Boston, 1886.]

Goodwin, W. W. The present and future of Harvard college. pp. 42. Ginn: Boston, 1891.

McCosh, James. The new departure in college education. pp. 23. N. Y., 1885.

A reply to President Eliot's defense of the elective system.

Palmer, George H. The new education. pp. 154. Little: Boston, 1887.

Quincy, Josiah. Remarks on the nature and probable effects of introducing the voluntary system in the studies of Latin and Greek. pp. 29. Cambridge, Mass., 1841.

Stickney, Albert. Considerations on new Harvard methods. pp. 32. [N. Y., 1891.]

West, A. F. President Eliot's report on elective studies. pp. 16. N. Y., 1886.

e. Legislation.

Aldrich, P. E. The legal and constitutional powers of civil government in relation to education. pp. 23. Boston, 1878.

Bardeen, C. W. Common school law. pp. 95 + lviii. Bardeen: Syracuse, 1878.

Burke, Finley. A treatise on the law of public schools. pp. 154. N. Y., 1880.

Treats of taxation, building sites, employment of teachers, etc.

Goldsmid, A. M. The educational code of the Prussian nation. Paul: London, 1879.

Kelley, G. W. Power and authority of school officers and teachers. pp. 181. Harper: N. Y., 1885.

Marble, A. P. Powers of school officers. pp. 27. Bardeen: Syracuse, 1887.

Owen, H. The [English] elementary education acts. pp. 698. London, 1884.

Smith, Lindon A. Recent school law decisions. pp. 82. Bu. of Ed.: Wash., 1883.

Turner, T. Educational legislation [England]. Simpson: London, 1870.

Walsh, M. McN. The lawyer in the schoolroom; comprising the laws of all the states on important educational subjects. pp. 161. Schermerhorn: N. Y., 1871.

Wilcox, S. M. Legal rights of children. pp. 96. Bu. of Ed.: Wash., 1880.

f. Endowments.

Appleton, Charles E. Essays on the endowment of research. pp. 278. King: London, 1876.

Blackmar, F. W. The history of federal and state aid to higher education in the United States. pp. 343. Bu. of Ed.: Wash., 1890.

Chalmers, Thomas. On endowments. Glasgow, 1827.

Davis, A. McF. The first scholarship at Harvard. pp. 13. Worcester, 1888.

Fitch, J. G. Endowments: an address delivered before the college association of Pennsylvania. pp. 31. Phila., 1888.

The best brief survey of the subject.

Hobhouse, Arthur. The dead hand. pp. 240. Chatto: London, 1880.

A comprehensive and standard work.

Kenny, Courtney. Endowed charities. Reeves: London, 1880.

Knight, G. W. History and management of land grants for education in the North West territories. Putnam: N. Y., 1885.

Potts, Robert. Brief account of the scholarships and exhibitions open to competition in the university of Cambridge. Longmans: London, 1866.

Woodworth, C. L. The opportunities and uses for money. pp. 16. Boston, 1888.

An appeal for school and college endowments.

VII. KINDERGARTEN.

See also: XIII, *e.*

a. History and Biography.

Blake, Henry W., editor. Quarter century edition of the paradise of childhood, including a life of Friedrick Fröbel. pp. 274. Bradley: Springfield, 1896.

Bowen, H. Courthope. Fröbel and education by activity. pp. 209. Scribner: N. Y., 1892.

"A book that is a real addition to Fröbel literature."—William T. Harris.

Chapin, Fanny, editor. Fröbel year book. pp. 190. Kindergarten Literature Co.: Chicago, 1894.

Fröbel. Autobiography of. Translated and annotated by Emilie Michaelis and H. Keatley Moore. pp. 144. Sonneuschein: London, 1886.

Fröbel. Letters. Edited with notes and additional matter by Arnold H. Heinemann. pp. 182. Lee: Boston, 1893.

Marenholtz-Bülow, Bertha. Reminiscences of Fröbel. Translated by Mary Mann. With a sketch of Fröbel by Emily Shirreff. pp. 359. Boston, 1882.

Page, Annie L. Fröbel: the man and his work. pp. 40. Bradley: Springfield, Mass., 1886.

Peabody, Elizabeth P., and others. The kindergarten. pp. 62. Bu. of Ed.: Wash., 1872.

Gives an account of the organization of kindergartens in Italy and Belgium.

Payne, Joseph. Fröbel and the kindergarten system. Stanford: London, 1874.

Shirreff, Emily. Fröbel: a sketch of his life, with his letters to his wife. Chapman: London, 1887.

b. Theory and Criticism.

Bailey, M. E. The kindergarten system. Boston Supply Co.: Boston.

Barnard, Henry, editor. Kindergarten and child culture papers. Papers on Fröbel's kindergarten, with suggestions on principles and methods of child culture in different countries. pp. 799. Hartford, 1884.

Brooks, Angeline. Kindergarten papers. pp. 50. Bradley: Springfield, Mass., 1894.

Carpenter, Harvey. The mother's and kindergartner's friend. pp. 153. Cupples: Boston, 1884.

Essays on the kindergarten. pp. 149. Sonnenschein: London, 1892.

Fröbel. Pedagogics of the kindergarten. Translated by Josephine Jarvis. pp. xxxvii + 337. Appleton: N. Y., 1895.

Fröbel. Letters on the kindergarten. Translated by Emilie Michaelis and H. Keatley Moore. Bardeen: Syracuse, 1891.

Fröbel, Karl. Explanation of the kindergarten. pp. 79. Philip: London, 1875.

Hailmann, W. N. The law of childhood and other papers. pp. 88. Stockham: Chicago, n. d.

Hailmann, W. N. Kindergarten culture. pp. 119. Am. Book Co.: N. Y.

Harrison, Elizabeth. The study of child nature from the kindergarten standpoint. pp. 207. Chicago Kindergarten College: Chicago, 1892.

Herford, William H. The student's Fröbel. pp. 112. Heath: Boston, 1894.

Hughes, James L. The kindergarten, its place and purpose. N. Y., 1877.

Hughes, James L. Fröbel's educational laws for all teachers. pp. xii + 296. Appleton: N. Y., 1897.

Lyschinska, Mary J., and **Montefiore, Theresa G.** The ethical teachings of Fröbel. pp. 97. Paul: London, 1889.

Lyschinska, Mary J. Principles of the kindergarten. pp. 173. Isbister: London, 1886.

MacAlister, James. Free kindergartens. Phila., 1887.

Marenholtz-Bülow, Bertha. The child and child nature: contribntions to the understanding of Fröbel's educational theories. Translated by Alice M. Christie. pp. 144. Sonnenschein: London, 1891.

Marenholtz-Bülow, Bertha. The new education by work, according to Fröbel's method. pp. 169. Camden, 1876.

Marwedel, Emma. Conscious motherhood: or the earliest unfolding of the child in the cradle, nursery, and kindergarten. pp. 563. Heath: Boston, 1889.

Marwedel, Emma. The connecting link to continue the threefold development of the child from the kindergarten to the manual-labor school. pp. 60. San Francisco, 1890.

Page, Annie L., and others. The kindergarten and the school. pp. 150. Bradley: Springfield, Mass., 1886.

Peabody, Elizabeth P. Education in the home, the kindergarten, and the primary school. With an introduction by E. Adelaide Manning. pp. 224. Sonnenschein: London, 1887.

Peabody, Elizabeth P. Lectures in the training schools for kindergartners. pp. 226. Heath: Boston, 1893.

Shirreff, Emily, and others. Essays on the kindergarten delivered before the Fröbel society. Sonnenschein: London, 1889.

Shirreff, Emily. Home education in relation to the kindergarten. pp. 63. Chapman: London, 1884.

Shirreff, Emily. The kindergarten: principles of Fröbel's system, and their bearing on the education of women. pp. 107. Chapman: London, 1876.

Shirreff, Emily. The kindergarten at home. pp. 201. Hughes: London, 1890.

Stephens, M. Kindergarten education. pp. 63. Dublin, 1888.

Wiggin, Kate Douglas. The kindergarten. pp. 216. Harper: N. Y., 1893.

Wiggin, Kate Douglas. The relation of the kindergarten to the public schools. pp. 23. Murdock: San Francisco, 1891.

Wiggin, Kate Douglas, and **Smith, Nora A.** Fröbel's gifts. pp. 202. Houghton: Boston, 1895.

Wiggin, Kate Douglas, and **Smith, Nora A.** Fröbel's occupations. Houghton: Boston, 1896.

c. Methods and Manuals.

Berry, Ada, and **Michaelis, Emilie.** Kindergarten songs and games. Myers: London, n. d.

Blow, Susan E. Symbolic education: a commentary on Fröbel's mother play. pp. xviii + 251. Appleton: N. Y., 1894.

Bolton, Fannie S., editor. Mother Goose in the kindergarten. pp. 80. Kindergarten Literature Co.: Chicago, 1893.

Buckland, Anna. The use of stories in the kindergarten and the happiness of childhood. pp. 40. Steiger: N. Y., 1894.

Douai, Adolph. The kindergarten: a manual for the introduction of Fröbel's system of primary education into public schools. pp. 136. Steiger: N. Y., 1871.

Fröbel. Mother play and nursery songs. Translated by Fannie E. Dwight and Josephine Jarvis. pp. 192. Lee: Boston, 1878.

Fröbel. The mottoes and commentaries of Fröbel's mother play. Rendered into English by Henrietta R. Eliot and Susan E. Blow. pp. xxii + 316. Appleton: N. Y., 1895.

Fröbel. The songs and music of Fröbel's mother play, prepared and arranged by Susan E. Blow. pp. xv + 272. Appleton: N. Y., 1895.

Gregory, Jeanette R. Practical lessons for kindergartners, primary teachers, and mothers. Bradley: Springfield, Mass., 1893.

Hailmann, Eudora L. Songs, games, and rhymes for the nursery, kindergarten, and primary school. pp. 169. Bradley: Springfield, Mass., 1887.

Heerwart, Eleanor. Fröbel's course of paper cutting. 9 plates. Sonnenschein: London, 1889.

Hoffmann, Heinrich. Kindergarten toys and how to use them. pp. 38. Steiger: N. Y., 1874.

Kraus-Boelte, Maria. The kindergarten guide. 10 parts. Steiger: N. Y., 1877–92.

Kriege, Alma L. Rhymes and tales for the kindergarten and nursery. pp. 109. N. Y., 1876.

Mackenzie, Constance. The kindergarten blackboard [a collection of outline drawings]. Bradley: Springfield, Mass., 1894.

Marenholtz-Bülow, Bertha. Hand work and head work: their relation to one another. Translated by Alice M. Christie. Sonnenschein: London, 1883.

Moore, H. Keatley. Music in the kindergarten. Sonnenschein: London, 1881.

Mortimore, Mrs. E. Practical kindergarten lessons for English infant schools. Hughes: London, 1893.

Peabody, Elizabeth P., and **Mann, Mary.** Guide to the kindergarten and intermediate class, and moral culture in infancy. pp. 206. Steiger: N. Y., 1877.

Pollock, Louise. National kindergarten: songs and plays. pp. 77. Young: Boston [1880].

Poullson, Emilie. In the child's world: morning talks and stories for kindergartners. pp. 443. Bradley: Springfield, 1894.

Ricks, George. Hand and eye training: a development of the kindergarten. 2 books. London, 1889.

Robinson, B. Kindergarten practice. pp. 50. Belfast, 1887.

Ronge, Johannes, and **Ronge, Bertha.** A practical guide to the English kindergarten. pp. 80. Hodson: London, 1855.

Rooper, W. L. Kindergarten games. pp. 64. London, 1890.

Singleton, J. E. Occupations and occupation games. Jarrold: London, 1885.

Smith, Nora A. A Christmas festival service. pp. 38. Bradley Springfield, Mass., 1893.

Steele, F. A. Kindergarten handbook. pp. 81. London [1882].

Walker, Louisa. Varied occupations in string work. pp. 254. Macmillan: London, 1896.

Walker, Louisa. Varied occupations in weaving. pp. 224. Macmillan: London, 1895.

Warmington, E. Recitations for kindergarten schools. pp. 151. London, 1890.

Wiebe, Edward. The paradise of childhood: a manual of self-instruction in Fröbel's educational principles. With 74 plates. pp. 83. Bradley: Springfield, n. d.

Wiltse, Sara E. Myths and mother plays. pp. 57. Bradley: Springfield, Mass., 1895.

d. Journals.

Blake, Henry W. Kindergarten news. Published monthly. Bradley: Springfield, Mass., 1891 to date.

Hofer, Amalie, editor. Kindergarten magazine. Published monthly. Kindergarten Literature Co.: Chicago, 1889 to date.

VIII. EDUCATION OF COLORED CHILDREN.

a. Negroes.

Armstrong, M. F., and **Ludlow, Helen W.** Hampton and its students. pp. 255. Putnam: N. Y., 1874.

Armstrong, S. C., and others. Twenty-two years' work of Hampton institute. pp. 528. pl. 1, maps 4. Hampton, Va., 1893.

Blair, L. H. Prosperity of the south dependent on the elevation of the negro. pp. 147. Randolph: Richmond, Va., 1890.

Brackett, J. R. Notes on the progress of the colored people of Maryland since the war. pp. 96. Baltimore, 1890.

Brown, Henry E. A plea for industrial education among the colored people. pp. 30. N. Y., 1880.

Civis, pseud. The public school in its relation to the negro. pp. 39. Richmond, 1877.

Clay, T. S. Detail of a plan for the moral improvement of negroes on plantations. pp. 23. n. p., 1833.

Haygood, A. G. Pleas for progress. pp. 320. Nashville, 1889.

Haygood, A. G. The case of the negro as to education in the southern states. pp. 59. Harrison: Atlanta, 1885.

Hubbard, G. W. A history of the colored schools of Nashville. pp. 34. Nashville, 1874.

Jocelyn, S. S. College for colored youth. pp. 24. N. Y., 1831.

Mayo, A. D. A ministry of education in the south. pp. 43. Boston, 1889.

Mayo, A. D. Industrial education in the south. pp. 86. Bu. of Ed.: Wash., 1888.

Mayo, A. D. Third estate of the south. Ellis: Boston, 1890.

Ogden, Robert C. Founder's day, Hampton institute, Jan. 28, 1894. pp. 40. Revell: N. Y. [1894].

Pike, G. D. The jubilee singers of Fisk university, and their campaign for twenty thousand dollars. pp. 221. Lee: Boston, 1873.

Ruffin, Frank G. The cost and outcome of negro education in Virginia. pp. 20. Richmond, 1889.

Start, E. A. General Armstrong and the Hampton institute. pp. 19. [Boston, 1892.]

Stetson, G. R. Problem of negro education. pp. 21. Cupples: Boston, 1884.

Sumner, Charles. Argument against the constitutionality of separate colored schools. Boston, 1849.

Thomas, W. H. Negro problems: land and education. pp. 71. Boston, 1890.

b. **Indians.**

Armstrong, S. C. Ten years' work for Indians. pp. 80. Hampton, 1888.

Armstrong, S. C. Indian education at Hampton. pp. 16. Hampton, 1881.

Armstrong, S. C. Concerning Indians. pp. 29. Hampton, 1883.

Are the eastern industrial training schools for Indian children a failure? pp. 45. Phila., 1886.

Batter, T. C. Quaker among the Indians. Lee: Boston, 1882.

Blackmar, F. W. Indian education. Am. Acad. Pol. and Soc. Sci.: Phila.

Clark, S. N. Are the Indians dying out? pp. 36. Bu. of Ed.: Wash., 1877.

Fifty-eighth annual report of the commissioner of Indian affairs. pp. 818. Wash., 1889.

Contains a full supplemental report on Indian education by T. J. Morgan.

Fletcher, Alice C., editor. Indian education and civilization. pp. 693. Bu. of Ed.: Wash., 1885.

Hailmann, W. N. Syllabus of language work and suggestions to teachers [in Indian schools]. pp. 42. Wash., 1894.

Hailmann, W. N. Syllabus of number and suggestions to teachers [in Indian schools]. pp. 44. Wash., 1894.

Hammerer, J. D. An account of a plan for civilizing the North American Indians, proposed in the eighteenth century. Edited by P. L. Ford. pp. 28. Brooklyn, 1890.

Jackson, Helen Hunt. A century of dishonor. pp. 457. Roberts: Boston, 1888.

James, J. A. English institutions and the American Indian. pp. 59. Baltimore, 1894.

Contains a brief account of the early provisions for Indian education.

Manypenny, G. W. Our Indian wards. pp. 336. Clarke: Cincinnati, 1880.

Morgan, T. J. Indian education. pp. 28. Bu. of Ed.: Wash., 1890.

Pratt, R. H. Address [on Indian education] before the national conference of charities and correction at Denver. pp. 10. Carlisle, Pa., 1892.

Pratt, R. H. Reports of the Carlisle school. Wash., 1880 to date.

Peabody, Elizabeth P. Sarah Winnemucca's practical solution of the Indian problem. pp. 36. Wilson: Cambridge, 1886.

Pumphrey, Stanley. Indian civilization. With an introduction by John G. Whittier. pp. 52. Phila., 1877.

Reports of the superintendents of Indian education. Wash., 1884 to date.

Riggs, S. R. Forty years with the Sioux. pp. 388. Holmes: Chicago, 1880.

Smiley, A. K. Annual reports of the Mohonk conference, 1882–'95. Lake Mohonk, N. Y.

Some account of the conduct of the religious society of Friends toward the Indian tribes in the settlements of the colonies in east and west Jersey and Pennsylvania; with a brief narrative of their labors for the civilization and Christian instruction of the Indians to 1843. pp. 247. Marsh: London, 1844.

The red man. Published monthly in the interests of Indian education and civilization. Carlisle, Pa., 1880 to date.

c. Eskimos.

Batty, Beatrice. Forty-two years amongst the Indians and Eskimos. pp. 223. London, 1893.

Jackson, Sheldon. Report on education in Alaska. pp. 95. Bu. of Ed.: Wash., 1886.

Jackson, Sheldon. Alaska and the missions on the North Pacific coast. pp. 327. Dodd: N. Y. [1880].

Gives an account of the mission schools.

Rink, Hinrick. Tales and traditions of the Eskimo with a sketch of their habits, religion, and language. pp. 472. Blackwood: Edinburgh, 1875.

Wright, Julia McNair. Among the Alaskans. pp. 351. Phila. [1883].

Discusses education and home schools in Alaska.

IX. EDUCATION OF DEFECTIVE CHILDREN.

a. General.

See also: XIII, *d*; XVIII.

Bartley, George, C. T. The schools for the people. pp. 582. Bell: London, 1871.

An exhaustive account of the development of schools for defective, delinquent, and dependent children in England up to 1871.

Brace, Charles L. The dangerous classes of New York. pp. 468. Wynkoop: N. Y., 1880.

MacDonald, Arthur. Abnormal man. pp. 445. Bu. of Ed.: Wash., 1893.

Contains extended bibliographies of education and crime, and related subjects.

Randall, C. D., editor. History of child saving in the United States. pp. 256 + 59. Ellis: Boston, 1893.

Royal commission on the blind, the deaf, etc. [inclnding imbeciles and feeble minded] of the United Kingdom. 4 vols. London, 1889.

The most exhaustive examination of the care and training of defective children ever printed.

Tuckwell, Gertrude M. The state and its children. pp. 164. Methue: London, 1894.

Contents: Reformatories and industrial schools; truant and day industrial schools; workhouse schools and children; voluntary schools; hospitals and lunatic asylums; canal and van children; home for blind and deaf and dumb; circus and theater children; work of the society for the prevention of cruelty to children; half timers and full timers.

b. Blind.

See also: XV, c, 2.

Anagnos, M. Education of the blind. pp. 74. Rand: Boston, 1882.

A concise statement of the origin, rise, and progress of education for blind children.

Anagnos, M. Kindergarten and primary school for the blind. pp. 40. Boston, 1886.

Anagnos, M. Helen Keller. pp. 71. Ellis: Boston, 1889.

Anderson, Thomas. Observations on the employment, education, and habits of the blind. pp. 103. Simpkin: London, 1872.

Armitage, T. R. Education of the blind. pp. 216. London, 1886.

Artman, W., and **Hall, L. V.** Beauties and achievements of the blind. pp. 307. Dansville, N. Y., 1856.

Barnhill, Alexander. A new era in the education of blind children. pp. 80. Glass: Glasgow, 1875.

Day, Mary L. Incidents in the life of a blind girl. pp. 206. Young: Baltimore, 1859.

Fowler, R. Some observations on the mental state of the blind, deaf, and dumb, suggested by the case of Jane Sullivan, both blind, deaf, dumb, and uneducated. Salisbury, 1843.

Gall, J. The education of the blind. Edinburgh, 1837.

Chiefly of historical interest.

Gall, J. Historical sketch of the origin and progress of literature for the blind. pp. 388. Edinburgh, 1834.

Guillié, Sebastian. The instruction and amusements of the blind. pp. viii + 154. Phillips: London, 1894.

A work noted for the erudition of its author.

Hanks, L. Blindness and the blind. London, 1872.

Howe, Samuel G. Education of Laura D. Bridgman. pp. 233. Boston, 1890.

La Sizeranne, Maurice de. The blind as seen through blind eyes. Translated by F. Park Lewis. pp. 154. Putnam: N. Y., 1893.

Lamson, Mary S. Life and education of Laura Bridgman. pp. 373. Houghton: Boston, 1881.

Lévy, W. H. Blindness and the blind. pp. 518. Chapman: London, 1872.

Martin, Francis. Elizabeth Gilbert and her work for the blind. pp. 307. Macmillan: London, 1887.

Moon, W. Sight for the blind. pp. 180. Longmans: London, 1879.

Sanford, E. C. The writings of Laura Bridgman. pp. 34. San Francisco [1887].

Taylor, W. On the education of the blind. London, 1859.

Vince. Education and management of blind children. Simpkin: London, 1876.

Wilson, James. Biography of the blind. pp. 300. Showell: Birmingham, 1833.

Wilson, H. J. Institutions for the blind in England. pp. 40. London, 1887.

c. Deaf.

Amman, J. Conrad. Dissertation on speech [originally printed in Latin in 1700]. Translated by Charles Boker. pp. 134. Sampson: London, 1873.

Arnold, Thomas. A method of teaching the deaf and dumb speech. pp. 156. Smith: London, 1881.

Arnold, Thomas. Education of deaf-mutes: a manual for teachers. pp. 382. Wertheimer: London, 1888.

Barnard, Henry. Tribute to Gallaudet, with history of deaf-mute instruction and institutions. pp. 267. Hartford, 1852.

Bell, Alex. Graham. Address upon the 25th anniversary of the Horace Mann school [upon development of methods of instructing deaf children]. Volta Bureau: Wash., 1895.

One of the author's most important studies.

Bell, Alex. Graham. Fallacies concerning the deaf. Volta Bureau: Wash., 1884.

Bell, Alex. Graham. A method of teaching language to a congenitally deaf child. pp. 16. Volta Bureau: Wash., 1891.

Bell, Alex. Graham. Facts and opinions relating to the deaf. pp. 195. Spottiswoode: London, 1888.

Bell, Alex. Graham. Memoir upon the formation of a deaf variety of the human race. pp. 86. [Washington, 1883.]

A statistical study of great value.

Bell, Alex. Graham. Visible speech as a means of communicating articulation to deaf-mutes. pp. 34. Wash., 1872.

Bell, A. M. English visible speech in twelve lessons. pp. 80. Volta Bureau, Wash., 1895.

Bell, A. M. Visible speech. Simpkin: London, 1867.

Bonet, Juan Pablo. Method of teaching speech to deaf-mutes. Translated from the original Spanish by H. N. Dixon. pp. 212. Farrar: London.

The earliest work in existence on the education of the deaf. First published in 1620.

Copleston, J. How to educate the deaf and dumb. Pigott: London, 1866.

Curtis, J. H. An essay on the deaf and dumb, showing the necessity of medical treatment in early infancy. London, 1834.

Dalgarno, George. Didascolocophis: or the deaf and dumb man's tutor. pp. 191. Reprinted by the Maitland Society. Edinburgh, 1834.

First published in 1661.

Davidson, Samuel G. Discussion and results of oral work. Phila., 1892.

Deaf-mute education in Massachusetts: report of the joint special committee of the legislature of 1867. pp. 236. Boston, 1867.

Of historic value.

Elliott, Richard. A course of lessons in articulation and lip reading for deaf children. pp. 48. London, 1878.

Fay, Edward A., editor. American annals of the deaf. Established 1847. Suspended 1861. Revived 1868. Quarterly vols. i–xl. Bimonthly, vol. xli, 1896. Washington.

Volumes i–xxx have an index prepared by Joseph C. Gordon, C. Syle, and Edward A. Fay.

Fay, Edward A., editor. Histories of the American schools for the deaf, 1817–1893. 3 vols. Volta Bureau: Wash., 1893.

Contents: Vol. i, public schools established 1817–1854; vol. ii, public schools established 1854–1893; vol. iii, denominational and private schools; schools in Canada and Mexico.

Fay, Edward A., editor. Proceedings of the world's congress of the instructors of the deaf held at Chicago, 1893. pp. 300. Wash., 1893.

Fuller, Sarah. An illustrated primer. pp. 101. Heath: Boston, 1888.

Gallaudet, Edward M. Life of Thomas Hopkins Gallaudet. pp. 339. Holt: N. Y., 1888.

Gallaudet, Edward M. The combined system of educating the deaf. pp. 24. Volta Bureau: Wash., 1891.

Gordon, Joseph C. Progress in the amelioration of certain forms of deafness and impaired hearing. pp. 25. Rochester, 1894.

Gordon, Joseph C. Address before the auricular section of the 14th convention of the American instructors of the deaf. Volta Bureau: Wash., 1896.

Gordon, Joseph C. Upon the occasion of the opening of the first meeting of the oral section of the convention of the American instructors of the deaf, July 4, 1895. Volta Bureau: Wash., 1896.

Gordon, Joseph C., editor. Education of deaf children: evidence of Edward M. Gallaudet and Alex. Graham Bell presented to the royal commission of the United Kingdom [with much additional matter]. pp. viii + 110 + 261 + xxvi. Volta Bureau: Wash., 1892.

Gordon, Joseph C. Practical hints to parents concerning preliminary training of young deaf children. Wash., 1886.

Gordon, Joseph C. Deaf-mutes and public schools. pp 23. Wash., 1885.

Gordon, Joseph C. Notes and observation on the education of deaf children: with a revised index to education of deaf children, and a list of university and reference libraries throughout the world containing the latter work. pp. 90. Volta Bureau: Wash., 1892.

Green, Francis. Vox oculis subjecta. pp. xvi + 157. London, 1783.

The earliest work by an American author upon the education of the deaf. Contains an account of Braidwood's academy.

Greene, David. Manual of articulation teaching. pp. 142. N. Y., 1894.

Greene, David. Word method [as opposed to the A B C method of teaching articulation]. Rochester, 1891.

Harrison, Allen. Defective conditions of the vocal organs studied in connection with questions of the oral method of training the deaf. Phila., 1894.

Hartmann, Arthur. The education of deaf-mutes by lip-reading and articulation. pp. 224. Ballière: London, 1881.

Howe, Samuel G. Remarks upon the education of deaf-mutes. pp. 58. Walker: Boston, 1866.

Hubbard, Gardiner G. The education of deaf-mutes: shall it be signs or articulation? pp. 36. Boston, 1867.

Hubbard, H. W. Deaf-mutism: a brief account of the deaf and dumb human race, from the earliest ages to the present time. London, 1894.

Hull, S. F. The education of the deaf and dumb practically considered, with an illustrated method of articulate speech. Bayley: London, 1866.

Keep, John R. Signs in deaf-mute education. New Haven, 1867.

Kinsey, A. A. Exercises in articulation for deaf children. pp. 88. London, 1883.

Kinsey, A. A. Report of the Milan congress, with an appendix. pp. 159. Allen: London, 1880.

A report of great value.

Lighthill, E. A., and **A. D.** A popular treatise on deafness. pp. 133. Carleton: N. Y., 1862.

Love, J. K. Papers on deaf-mutism. London, 1893.

Lyon, Edmund. Phonetic manual. pp. 73. Rochester, 1891.

A system of finger positions symbolizing Bell's analysis of the mechanism of the elements of speech.

Meyer, G. H., von. Organs of speech. pp. 369. [47 woodcuts.] Appleton: N. Y., 1884.

Monroe, Lewis B. Sounds of the English language for class drill in articulation, with diagrams illustrating Bell's visible speech. pp. 22 + charts. Lippincott: Phila., 1881.

Mygivd, Holgar. Deaf-mutism. pp. 300. Rebman: London, 1894.

Peet, Harvey P. Statistics of the deaf and dumb. pp. 44. N. Y., 1852.

Proceedings of the summer meetings of the American association to promote the teaching of speech to the deaf. 1891 to date. 5 reports.

Proceedings of the conventions of the American instructors of the deaf. 1850 to date. 14 reports.

Scott, W. R. The deaf and dumb: their education and social position. Bell: London, 1870.

Seiss, J. A. Children of silence. pp. 208. Porter: Phila., 1888.

Sexton, Samuel. Causes of deafness among school children. pp. 47. Bu. of Ed.: Wash., 1881.

Sexton, Samuel. The ear and its diseases. pp. 461. Wood: N. Y., 1888.

Stewart, W. R. Report of the examinations of the pupils in the various schools for deaf-mutes in the state of New York. Albany, 1892.

Sutton, Estella V. Toy object method. Volta Bureau: Wash., 1892.

Toynbee, Joseph. Diseases of the ear. pp. 422. Churchill: London, 1860.

Van Praagh, William. Lessons for instruction of deaf and dumb children. Trübner: London, 1884.

Wardrop, J. The history of James Mitchell, a boy born blind and deaf. London, 1813.

Warren, Lillie E. Defective speech and deafness. pp. 116. Werner: N. Y., 1895.

Way, Daisy M. The Whipple natural method, with a memoir of the inventor. pp. 48. Rochester, 1892.

Wilkinson, Annie G. Guide to the pronunciation of English, with pictorial charts of the vocal positions and consonants. pp. 59. Little Rock, Ark., 1888.

d. Mentally Deficient.

See also: XIII, *d.*

Beech, Fletcher. The treatment and education of mentally feeble children. pp. 82. Churchill: London, 1895.

A concise summary of the subject for the information chiefly of medical men.

Brady, C. The training of idiotic and feeble-minded children. Dublin, 1864.

Davis, C. H. S. Classification, training, and education of the feeble-minded, imbecile, and idiotic. New York, 1883.

Down, J. Langdon. On the education and training of the feeble in mind. London, 1876.

Down, J. Langdon. On some mental affections of childhood and youth. pp. 307. London, 1887.

"A course of lectures delivered before the Medical Society of London on the medical aspects of the subject, with some remarks on education and training."—George E. Shuttleworth.

Duncan, P. M., and **Millard, W.** A manual for the classification, training, and education of the feeble-minded, imbecile, and idiotic. London, 1886.

Deals mainly with the means of education and training, and explains the methods of drill in articulation.

Fernald, Walter E. The history of the treatment of the feeble-minded. Boston, 1893.

"Contains an excellent account of what has been done in the way of educational training for this class in the United States and elsewhere."—George E. Shuttleworth.

Foster, Mrs. H. McI. The education of idiots and imbeciles. Indianapolis, 1879.

Howe, Samuel G. Training idiots. pp. 72. Boston, 1850.

Howe, Samuel G. On the causes and prevention of idiocy. pp. 23. Wright: Boston, 1874.

This report, originally published in 1848, led to the founding of the first school for feeble-minded children in America.

Hurd, Henry M. Some mental disorders of childhood and youth. pp. 16. Baltimore, 1895.

Ireland, W. W. On idiocy and imbecility. London, 1877.

Johnson, G. E. Contributions to the pedagogy and psychology of feeble-minded children. pp. 51. [Worcester, Mass., 1895.]

The same printed in the Pedagogical seminary, Oct., 1895.

Kerlin, Isaac N. The mind unveiled. Phila., 1858.

Osborne, A. E., editor. The institution bulletin: Quarterly announcement of the California home for the care and training of feeble-minded children. 1889 to date. 6 vols. Eldridge: California.

Devoted exclusively to the interests of the education of feeble-minded children.

Proceedings of the association of medical officers of American institutions for idiotic and feeble-minded persons. 1876 to date.

These reports of great value. They contain papers on almost every subject relating to the care and training of feeble-minded children.

Rogers, A. C., editor. Journal of psycho-asthenics. Faribault, Minn., 1896 to date.

A quarterly devoted to the care, training, and treatment of feeble-minded and epileptic children.

Salisbury, Albert, and others. The duty of the state to the feeble-minded. pp. 16. Whitewater: Wis., 1890.

Scott, W. R. Remarks, theoretical and practical, on the education of idiots and children of weak intellect. London, 1847.

One of the earliest English publications on the subject, giving an account of the work of Seguin at the Bicêtre.

Seguin, Edward. Idiocy and its treatment by the physiological method. pp. 457. Wood: N. Y., 1866.

"A standard work of great psychological and pedagogical acuteness."—G. Stanley Hall.

Seguin, Edward. New facts and remarks concerning idiocy. pp. 44. Wood: N. Y., 1870.

"An address to a New York medical society dealing not only with the medical and pathological, but with the social and educational aspects of the subject."—George E. Shuttleworth.

Seguin, Edward. Psycho-physiological training of an idiotic eye. pp. 17. Putnam: N. Y., 1880.

Seguin, Edward. Psycho-physiological training of an idiotic hand. pp. 8. Putnam: N. Y., 1879.

Shuttleworth, George E. Mentally deficient children: their treatment and training. pp. 140. Lewis: London, 1895.

The best brief treatment of the subject from an educational standpoint. The author is one of the most eminent English authorities on mental deficiency.

Shuttleworth, George E. The care of the mentally feeble child. London, 1892.

A contribution to the discussion on the child with retarded or imperfect mental development, though not technically an "idiot or imbecile."

Warner, Francis, and others. The feeble-minded child and adult: a report on an investigation of the physical and mental condition of 50,000 school children, with suggestions for the better education and care of the feeble-minded children and adults. London, 1893. Bu. of Ed.: Washington.

Wilbur, W. B. Suggestions on principles and methods of elementary instruction. Albany, 1862.

Wilmarth, A. W. Causation and early treatment of mental disease in children. Chicago, 1894.

A brief account of the pathological conditions met with in these cases, with hints as to treatment.

Wise, T. A. Observations on the claims of infirm and imbecile children on public attention. Cork, 1865.

Wynter, Andrew. The borderland of insanity. pp. 314. Putnam: N. Y., 1875.

Contains a chapter on the training of imbecile children.

e: Orphans and Neglected.

Cumin, Patrick. Popular education and ragged schools. Longmans: London, 1861.

Davis, S. Story of the Coombe ragged school. pp. 108. Davis: Dublin, 1880.

Dickens, Charles, and others. Extracts from the works and journals of, in behalf of the [London] hospital for the maintenance and education of exposed and deserted young children. London, 1872.

Dickson, S. H. Value of life among the children of Charleston. pp. 249. Charleston, 1847.

Ellis, W. Education as a means of preventing destitution. Smith: London, 1851.

Fawcett, H. Pauperism: its causes and remedies. Macmillan: London, 1871.

Guthrie, Thomas. Philosophy of ragged schools. London, 1851.

Guthrie, Thomas. Seedtime and harvest of ragged schools. pp. 206. Edinburgh, 1860.

Hale, George S., and others. The proposed state children's bureau. pp. 58. Ellis: Boston, 1895.

On the inadequacy of placing children, in the care of the state, under the state board of lunacy and charity.

Hall, James G. Sought and saved: essays on ragged schools and kindred institutions. pp. 256. London, 1855.

Hart, M. H. The children of the street. Sonnenschein: London, 1880.

Hill, Florence Davenport. The children of the state: the training of juvenile paupers. Edited by Fanny Fowke. Macmillan: N. Y., 1889.

Hood, Thomas. A visit to the Lilliput lodgers. London, 1869.

Needham, G. C. Street Arabs and gutter snipes: the pathetic and humorous side of young vagabond life in the great cities, with records of work for their reclamation. pp. 516. Guernsey: Boston, 1884.

Pike, G. H. Pity the perishing. Clarke: London, 1883.

An account of ragged school work in London.

Pole, Thomas. History of the origin and progress of adult schools. pp. 127. Wood: N. Y., 1815.

Treats of provisions for education among the adult poor of England.

Potter, H. C. The church and the children. Boston, 1868.

Richardson, Anne B., and others. Massachusetts' care of dependent and delinquent children. pp. 68. Ellis: Boston, 1893.

Riis, Jacob A. The children of the poor. Scribner: N. Y., 1892.

Schurz, C. The education of orphan children. N. Y., 1883.

Smedley, L. B. Boarding out and pauper schools. pp. 253. King: London, 1875.

Spencer, Anna Garlin, and **Birtwell, Charles W., editors.** The care of dependent, neglected, and wayward children. pp. 163. Baltimore, 1894.

f. Truants, Incorrigibles, and Offenders.

See also: XIII, *b* and *d*.

Allyn, Robert. Special report of the commissioner of public schools on truancy and absenteeism in Rhode Island. pp. 39. Providence, 1856.

Alshead, Joseph. On juvenile criminal reformatories, and means of rendering dangerous classes serviceable to the state. Manchester, 1856.

Barnard, Henry. Reformatory education: papers on preventive, correctional, and reformatory institutions and agencies in different countries. pp. 361. Hartford, 1857.

Beggs, Thomas. Extent and causes of juvenile depravity. pp. 184. Gilpin: London, 1849.

Barnardo, T. J. Saved from a crime: incidents in the life of a waif and stray. pp. 40. Shaw: London, n. d.

Canfield, S. A. Martha. Statements relating to reformatory, charitable, and industrial schools for the young. pp. 208. Bu. of Ed.: Wash., 1875.

Carpenter, Mary. Juvenile delinquents: their condition and treatment. pp. 388. Cash: London, 1853.

City crimes: or life after dark in New York. By a reformed Bowery boy. pp. 24. N. Y., 1840.

Cochin, A. An account of the reformatory institution for juvenile offenders at Mettray, France. pp. 39. London, 1853.

Day, Samuel P. Juvenile crime: its cause, character, and cure. pp. 455. Hope: London, 1858.

Hance, E. M. Reformatories and industrial schools. pp. 30. Liverpool, 1883.

Hill, Micaiah, and **Cornwallis, Caroline.** Two prize essays on juvenile delinquency. pp. 431. Smith: London, 1853.

Letchworth, W. P. Classification and training of children, innocent and incorrigible. pp. 32. Argus: Albany, 1884.

Letchworth, W. P. Juvenile offenders: industrial training of children in houses of refuge and other reformatory schools. pp. 44. Albany, 1883.

Morrison, W. D. Juvenile offenders. pp. 317. Appleton: N. Y., 1897.

An able discussion of the mental and physical characteristics of juvenile offenders, especially valuable for teachers.

Peirce, B. K. A half century with juvenile delinquents. pp. 384. Appleton: N. Y., 1869.

Pike, G. H. Saving to the uttermost. Hodder: London, 1885.

Educational work among the juvenile thieves of London.

Rylands, L. Gordon. Crime: its cause and remedy. pp. 264. London, 1889.

Seaver, Edwin P. Special report on reformatories. pp. 75. Boston, 1891.

Waugh, B. The gaol cradle and who rocks it. Isbister: London, 1880.

A plea for the abolition of the imprisonment of children.

Wey, Hamilton D. Physical training of youthful criminals. pp. 14. Boston, 1888.

Worsley, Henry. Juvenile depravity. pp. 275. Gilpin: London, 1849.

X. PROFESSIONAL EDUCATION.

a. Teaching.

Allen, Charles H., editor. Historical sketch of the state normal school at San José, Cal. pp. 283. Sacramento, 1889.

Atkinson, F. W. The professional preparation of secondary teachers in the United States. pp. 64. Breitkopf: Leipzig, 1893.

Bardeen, C. W. Teaching as a business for men. pp. 20. Bardeen: Syracuse, 1885.

Bardeen, C. W. The teacher's commercial value. pp. 20. Bardeen: Syracuse, 1885.

Bardeen, C. W. The teacher as he should be. pp. 24. Bardeen: Syracuse, 1891.

Barnard, Henry. Normal schools and other institutions, agencies, and means designed for the professional education of teachers. Hartford, 1851.

Barnes, H. Training colleges for schoolmistresses. pp. 282. Barnes: London, 1891.

A descriptive account of the English normal schools for women.

Bates, S. P. Method of teachers' institutes. pp. 140. Barnes: N. Y., 1862.

Boyden, A. G. Brief historical sketch of the Massachusetts normal schools. pp. 8. Boston, 1893.

Boyden, A. G. State normal school, Bridgewater, Mass.: history and alumni record. pp. 182. Noyes: Boston, 1876.

Bramwell, Amy Blanche, and Hughes, Milicent, H. The training of teachers in the United States of America. pp. xii + 198. Sonnenschein: London, 1894.

Brooks, Charles. Two lectures: history of the introduction of state normal schools in America and a prospective system of national education in the United States. pp. 25. Boston, 1864.

Carter, J. G. Essays upon popular education, containing a particular examination of the schools of Massachusetts, and an outline of an institution for the education of teachers. pp. 60. Boston, 1826.

Cook, J. W., and **McHugh, J. V.** A history of the Illinois state normal university. pp. 255. Normal, Ill., 1882.

Craig, A. R. The philosophy of training: or the principles and art of a normal education. Simpkin: London, 1847.

Eaton, John, editor. Training of teachers in Germany. pp. 36. Bu. of Ed.: Wash., 1878.

Edgeworth, R. L. Essays on professional education. Johnson: London, 1812.

Findlay, J. J. Teaching as a career for university men. With a prefatory note by Arthur Sidgwick. Rivington. London: 1889.

Fowle, William B. The teacher's institute: or familiar hints to young teachers. pp. 258. Fowle: Boston, 1847.

Gall, J. Nature's normal school. Gall: Edinburgh, 1862.

Gallaudet, T. H. Plan of a seminary for the education of instructors of youth. pp. 39. Boston, 1825.

Gilbert, J. I., and others. New York state normal schools [report of the special committee of the assembly]. pp. 48. Albany, 1879.

Gordy, J. P. Rise and growth of the normal school idea in the United States. pp. 145. Bu. of Ed.: Wash., 1891.

Gray, Thomas J. Methods of instruction and courses of study in normal schools. pp. 19. Bardeen: Syracuse, 1889.

Groser, W. H. The teacher's model and the model teacher. Clarke: London, 1867.

Hall, Baynard R. Teaching, a science; the teacher, an artist. pp. 305. Scribner: N. Y., 1848.

Hannak, E. The training of teachers in Austria. pp. 24. N. Y., 1889.

Hart, Albert B. Studies in American education. pp. 150. Longmans: N. Y., 1895.

Has the teacher a profession? and other papers.

Hill, Frank A. State examination and certification of teachers. pp. 22. Boston, 1895.

Hinsdale, B. A. Pedagogical chairs in colleges and universities. pp. 11. Bardeen: Syracuse, 1889.

James, Edmund J. Chairs of pedagogics in our universities. pp. 46. Phila. [1887].

Jolly, S. Thoughts on the vocation and progression of the teacher. Nisbit: London, 1871.

Jolly, W. The professional training of teachers. London, 1874.

Laurie, S. S. The training of teachers. pp. 369. Paul: London, 1882.

Mulligan, J. Is teaching a profession? pp. 23. Glasgow, 1889.

Northrop, B. G. Examination of teachers. pp. 46. New Haven, 1880.

Quint, A. H. The normal schools of Massachusetts. pp. 18. [Boston, 1861.]

Rigg, J. H. Public elementary education and training colleges. London, 1888.

Ross, D. Education as a university subject. Glasgow, 1883.

Russell, William. Suggestions on teachers' institutes. pp. 58. Tappan: Boston, 1848.

Salisbury, Albert. Historical sketch of normal instruction in Wisconsin. pp. 103. Madison, 1876.

Seaver, E. P. The professional training of teachers. pp. 21. Concord, 1891.

Smart, James H. Teachers' institutes. pp. 206. Bu. of Ed.: Wash., 1885.

Stow, David. The training system of education. pp. 564. Longmans: London, 1859.

b. Theology.

Adams, D. L. Our universities and theological study. pp. 30. Thin: Edinburgh [1885].

Adolphus, O. Compendium theologicum: or manual for students in theology. Hall: Cambridge, 1865.

Blakie, W. G. The colleges and theological institutions of America. pp. 23. Elliot: Edinburgh, 1870.

Conference of delegates from the committees of various theological colleges connected with the independent churches of England and Wales. pp. 73. London [1845].

Crosby, Howard. The Christian preacher. Yale lectures for 1879–80. pp. 195. Randolph: N. Y. [1879].

Dale, J. M. The clergyman's legal handbook: or compendium of clerical and parochial law. Seeley: London, 1865.

Farrington, S. Free teaching and free learning in theology. pp. 16. London, 1880.

Handbook of theological colleges of the church of England. London, 1885.

Hartranft, C. D. Some thoughts on the scope of theology and theological education. pp. 24. Hartford, 1888.

Mahaffy, J. P. Decay of modern preaching. London, 1882.

Scheeben, M. J. Manual of Catholic theology. London, 1890.

Shedd, W. G. T. Method and influence of theological studies. pp. 52. Burlington, 1845.

Sparrow, William. The right conduct of theological seminaries. pp. 30. Biddle: Phila., 1843.

Taylor, Graham. The practical training needed for the ministry of to-day. pp. 19. Hartford, 1888.

Townsend, L. T. The sword and garment. pp. 238. Lee: Boston, 1871.

Vail, S. M. Ministerial education in the methodist episcopal church. pp. 262. Boston, 1853.

Wicksteed, P. H. The ecclesiastical institutions of Holland. pp. 61. Williams: London, 1875.

An account of the schools of theology.

Wilson, W. Popular preachers of the ancient church. Hogg: London.

c. Law.

Ball, W. W. Rouse. The student's guide to the bar. Macmillan: London, 1888.

Blackstone, W. Discourse on the study of law. Oxford, 1758.

Bryce, James. Legal studies in the university of Oxford. Macmillan: London, 1893.

Campbell, James V. Law and lawyers in society. pp. 20. Detroit, 1866.

Carson, H. L. An historical sketch of the law department of the university of Pennsylvania. pp. 37. Phila., 1882.

Clark, E. C. Cambridge legal studies. pp. 120. Bell: London, 1888.

Clark, E. C. Early Roman law: the regal period. Macmillan: London, 1872.

Dicey, A. V. Can English law be taught at the universities? pp. 31. Macmillan: London, 1883.

Duke, R. F. W. Some thoughts on the study and practice of law. Richmond, 1890.

Dwight, T. W. Education in the law schools in the city of New York compared with that obtained in law offices. pp. 27. N. Y., 1876.

Finch, G. B. Legal education: its aim and method. pp. 15. Clay: London [1885].

Flood, J. C. H. An hour in the temple. pp. 71. Diprose: London, 1884.

Hammond, W. G., and others. Report of the committee on legal education [American bar association]. pp. 62. Boston, 1891.

Huffcut, E. W. Jurisprudence in American universities. Am. Acad. Pol. and Soc. Sci. Phila.

Jones, R. History of the French bar. Phila., 1856.

Gives an account of the system of legal education in France.

Lorimer, James. Studies national and international. Edinburgh, 1890.

Contains chapters on the sphere and functions of an academical faculty of law, reasons for the study of jurisprudence as a science, the story of the chair of public law in the university of Edinburgh, and the faculty of law.

Maine, H. S. Ancient law: its connection with the early history of society and its relation to modern ideas. Murray: London, 1870.

Moss, Charles. Curriculum of the law school [in Upper Canada]. pp. 81. Roswell: Toronto, 1891.

Munro, J. C. The study of law in Greece, Rome, and England. pp. 29. Manchester, 1882.

Napier, T. B., and **Stevenson, R. N.** A practical guide to the bar. Cox: London, 1888.

Pollock, Frederick. Oxford lectures and other discourses. London, 1890.

Contains chapters on methods of jurisprudence, English opportunities in historical and comparative jurisprudence, Oxford law studies, and law libraries.

Seaman, E. C. Law schools and legal education. pp. 24. Ann Arbor, 1859.

Smith, P. A. A history of education for the English bar. pp. 202. Butterworth: London, 1860.

Thayer, James B. The teaching of English law at universities. pp. 18. Little: Boston, 1895.

Warren, S. A popular and practical introduction to law studies, and to every department of the legal profession. pp. 944. Boston, 1845.

Wetmore, Edmund. Some of the limitations and requirements of legal education in the United States. pp. 15. [Saratoga, 1894.]

d. Medicine.

1. Medicine and Surgery.

Acland, H. W. Medical education: a letter addressed to Johns Hopkins university. pp. 27. [Baltimore, 1879.]

Abbott, S. A. History of medicine in Massachusetts. pp. 131. Williams: Boston, 1881.

Bigelow, H. J. Medical education in America. pp. 83. Welch: Cambridge, 1871.

Billings, J. S. Medical education. pp. 42. Boyle: Baltimore, 1878.

Blenkinsop, W. H. The student's handbook of medical education and guide to qualifying boards and schools of medicine in the United Kingdom. pp. 799. Cambridge, 1881.

Carson, Joseph. A history of the medical department of the university of Pennsylvania. pp. 227. Lindsay: Phila., 1869.

Carter, R. B. The training of the mind for the study of medicine. London, 1873.

Channing, Walter. Of the medical profession and its preparation. pp. 32. Clapp: Boston, 1845.

Christie, James. The medical institutions of Glasgow. pp. 198. Maclehose: Glasgow, 1888.

Dalton, J. C. History of the college of physicians and surgeons [Columbia college]. pp. 208. N. Y., 1888.

Davis, N. S. Contributions to the history of medical education and medical institutions in the United States. pp. 60. Bu. of Ed.: Wash., 1877.

Dwight, H. E. Higher preliminary medical education: the influence of the German universities upon our profession. pp. 12. [N. Y., 1890.]

Flint, Austin. Medicine of the future. pp. 37. Appleton: N. Y.

Gardiner, W. T. On medicine and medical education. Edinburgh, 1858.

Gardiner, W. T. Medical education. pp. 80. Glasgow, 1883.

Glover, J. G. The gaps in medical education. pp. 20. London, 1889.

Hardwicke, H. J. Medical education and practice in all parts of the world. pp. 209. Churchill: London, 1882.

Hartwell, E. M. The study of anatomy historically and legally considered. pp. 37. Boston, 1881.

Hewett, C. Guide to continental medical degrees. pp. 62. London, 1885.

Hildige, J. G. Medical sketches in Austria, Prussia, and Italy. Dublin, 1859.

Holmes, Oliver Wendell. An introductory lecture [on medical education]. Boston, 1847.

Holmes, Oliver Wendell. Medical essays. Houghton: Boston, 1883.

Contains chapters on scholastic and bedside teaching, the medical profession in Massachusetts, medical libraries, and some of my early [medical] teachers.

Hooker, W., and others. Report on medical education. pp. 48. Collins: Phila., 1851.

Hun, H. A guide to American medical students in Europe. pp. 151. N. Y., 1883.

Jordan, David Starr. The general education of the physician. San Francisco, 1891.

Lee, Benjamin. Differentiation the test of civilization: the education of the specialist. pp. 20. Phila., 1884.

Lente, F. D. The objects and aims of medical science. pp. 38. Appleton: N. Y., 1871.

Lincoln, Benjamin. Hints on the present state of medical education and the influence of medical schools in New England. pp. 18 + xvi + 76. Burlington, 1833.

Pepper, William. Higher medical education, the true interest of the public and of the profession. pp. 46. Collins: Phila., 1877.

Puschmann, Theodor. A history of medical education from the most remote to the most recent times. Translated and edited by Evan H. Hare. pp. 650. Lewis: London, 1891.

Rauch, J. H. Medical education, medical colleges, and the regulations of the practice of medicine in the United States and Canada. pp. xxxiv + 222. Springfield, Ill., 1891.

Sawyer, J. Notes on medical education. pp. 113. Birmingham, 1889.

Stillé, A. Medical education in the United States. Phila., 1846.

Toner, J. M. Contributions to the annals of medical progress and medical education in the United States before and during the war of independence. pp. 118. Wash., 1874.

Turner, T. Outlines of a system of medico-chirurgical education. London [1824].

Welch, W. H. Higher medical education and the need of its endowment. pp. 24. [N. Y., 1894.]

Welch, W. H. Some of the advantages of the union of medical school and university. pp. 19. [New Haven, Ct., 1888.]

White, James C. The relation of the Massachusetts medical society to medical education. pp. 47. Clapp: Boston, 1890.

Wooton, E. Guide to the medical profession. Gill: London, 1883.

2. Dentistry.

Blake, E. The present development and tendencies of the dental profession. Boston, 1871.

Brockway, J. Dentistry as it was, as it is, and as it ought to be. Albany, 1869.

Burridge, L. S. Dental education and Dr. Trenor. N. Y., 1852.

Fox, C. J. The dental diploma question. London, 1870.

Hill, A. The history of the reform movement in the dental profession in Great Britain during the last twenty years. London, 1877.

Smith, J. On the present position of dental surgery, and its advancement as a branch of medical education. Edinburgh, 1858.

Turner, A. Manual of dental education. Livingston: Edinburgh, 1861.

Watt, G. An essay on dental surgery for popular reading. Cincinnati, 1858.

Wetherby, I. J. The past and future of the dental profession. Boston, 1866.

3. Pharmacy.

Bell, J., and **Redwood, T.** Historical sketch of the progress of pharmacy in Great Britain. London, 1880.

Fristoe, E. T. The national college of pharmacy. Wash., 1884.

Michaelis, G. The gradual development of pharmacy. Albany, 1886.

Parrish, E. Historical memories of the Philadelphia college of pharmacy. Phila., 1869.

Reid, D. B. Remarks on the present state of chemistry and pharmacy. Edinburgh, 1838.

Steiner, L. H. The utility of colleges of pharmacy. [Baltimore, 1856.]

Thomas, R. P. Valedictory charge to the graduates of the Philadelphia college of pharmacy. Phila., 1857.

Tucker, W. G. Pharmacy a science. pp. 21. Albany, 1894.

4. Nurses.

Benton, S. Nurses and nursing. London, 1877.

Canfield, Martha S. A. The inception, organization, and management of training schools for nurses. pp. 28. Bu. of Ed.: Wash., 1882.

Eaton, John. Training schools for nurses. pp. 192. Bu. of Ed.: Wash., 1879.

Johnson, J. T. Introductory address delivered at the Washington training school for nurses. Wash., 1880.

Lückers, Eva C. E. Hospital sisters and their duties. pp. 200. Scientific Press: London.

Martineau, Harriet. Life in the sick room. With an introduction by Eliza L. Folleu. Boston, 1845.

Nightingale, Florence. Notes on nursing: what it is, and what it is not. N. Y., 1860.

Potter, G. W. Ministering women: the story of the royal national pension fund for nurses. pp. 150. Scientific Press: London.

Thompson, W. S. Training schools for nurses; with notes on twenty-two schools. pp. 57. Putnam: N. Y., 1883.

e. Fine Arts.

1. Painting and Sculpture.

Brown, G. Baldwin. Fine art as a branch of university study. pp. 24. Edinburgh, 1881.

Cooke, E. Neglected elements in art teaching. pp. 28. London, 1888.

Chesneau, Ernest. The education of the artist. Translated by Clara Bell. pp. 327. N. Y., 1886.

Couture, Thomas. Conversations on art methods. pp. 252. Putnam: N. Y., 1879.

Crane, Walter. Relation of art to education and social life. Leek Press: London, 1893.

Greswell, Richard. On education in the principles of art. pp. 32. Oxford, 1844.

Hamerton, Philip Gilbert. Art essays: modern schools of art—American and European. pp. 90. Barnes: N. Y. [1880].

Hoyt, D. L. The historic schools of painting. pp. 210. Ginn: Boston, 1890.

Hulme, F. E. Art education in England. pp. 160. London, 1882.

Horsfall, T. C. The study of art in large towns. pp. 47. London, 1883.

Langl, Joseph. Modern art education: its practical and æsthetic culture educationally considered. Translated by S. R. Köhler. pp. 161. Prang: Boston, 1875.

A translation of the Austrian official's report of art education at the Vienna exposition of 1873.

Papworth, W. A. Art education. pp. 26. London, 1889.

Partridge, William O. Art for America. pp. 192. Roberts: Boston, 1894.

Contents: The true education and the false; an American school of sculpture; the outlook for sculpture in America; manhood in art; relation of the drama to education; Göthe as a dramatist.

Radcliffe, A. G. Schools and masters of sculpture. pp. 593. Appleton: N. Y., 1894.

Sparkes, J. C. L. Schools of art: origin, history, work, influence. pp. 152. Clowes: London, 1884.

Taylor, Edward R. Art teaching and understanding. Leek Press: London, 1893.

Urbino, Mrs. S. The princes of art: engravers, painters, sculptors, and architects. pp. 340. Lee: Boston, 1886.

Wornum, Ralph N. Analysis of ornament: the characteristics of styles. pp. 190. London, 1882.

2. Music.

Bach, A. B. Musical education and vocal culture. pp. 272. Blackwood: Edinburgh, 1883.

Bernhardt, J. W. Music and mind and musical physics. pp. 56. Chappell: London [1878].

Ella, John. Lectures on dramatic music, and musical education abroad and at home. pp. 41. Ridgway: London, 1872.

Elson, L. C. The realm of music; a series of musical essays, chiefly historical and educational. pp. 314. Boston, 1892.

Fay, Amy. Music study in Germany. pp. 328. London, 1886.

Fisher, Henry. The musical profession. pp. 358. London, 1888.

Henderson, W. J. The story of music. pp. 212. Longmans: London, 1889.

Keddie, Henrietta. Musical composers and their work. pp. 426. Roberts: Boston, 1875.

Marx, A. B. The music of the nineteenth century, and its culture. pp. 317. Cocks: London, 1855.

Matthew, James E. A popular history of music. pp. 319. Grevel: London, 1888.

Pratt, Waldo S. Music as a university study. Chicago, 1894.

Ritter, F. L. Music in America. pp. 423. N. Y., 1883.

Ritter, F. L. History of music from the Christian era to the present time. Reeves: London, 1876.

3. Architecture.

Eidlitz, L. The nature of architecture. pp. 493. London, 1881.

Papers on education. [Institute of British architects.] pp. 84. London, 1887,

Pink, C. R. Architectural education. pp. 12. Winchester, 1886.

Profession of an architect. pp. 47. London [1880].

Shaw, R. Norman, and **Jackson, T. G., editors.** Architecture a profession or an art. Murray: London, 1892.

Thirteen essays on the training of architects.

Ware, W. R. The instruction in architecture at the school of mines [Columbia college]. pp. 16. [N. Y., 1888.]

f. Science.

1. Technology.

Acland, A. H. D., and **Smith, H. L., editors.** Studies in secondary education. Percival: London, 1891.

A series of papers published under the auspices of an English association for the promotion of technical and secondary education.

Barnard, Henry. Science and art: systems, institutions, and statistics of scientific instruction, applied to national industries in different countries. Steiger: N. Y., 1872.

Brown, T. M. The educational value of engineering studies. pp. 30. [S. Bethlehem, Pa., 1895.]

Daly, Charles P. Origin and history of institutions for the promotion of the useful arts. pp. 35. Albany, 1864.

Dyer, H. Education of engineers. pp. 44. London, 1880.

Edwards, F. W. Technical education. pp. 50. London. 1885.

Felkin, H. M. Technical education in Saxon towns. pp. 76. London, 1881.

Levi, L. Report on technical, industrial, and professional instruction in Italy and other countries. London, 1868.

Lockyer, J. N. Education for industrial classes. pp. 31. London, 1883.

Lowell, Augustus. Massachusetts institute of technology. pp. 24. Cambridge, Mass., 1890.

Lubbock, John. Fifty years of science. pp. 90. London, 1882.

Montague, F. C. Technical education. pp. 68. London, 1887.

Nichols, George P. Art education applied to industry. pp. 211. Harper: N. Y., 1877.

Report of the royal commissioners on technical instruction. [Commission of 1881.] Five blue books. Eyre: London, 1884.

This exhaustive report covers the whole of Europe, and is of great value.

Schoenhof, J. Technical education in France. pp. 136. Wash., 1888.

Contents: Technical education; commercial schools; art education; industrial art museums.

Spring, F. J. E. Technical education in India. pp. 77. Calcutta, 1887.

Thompson, S. P. Technical education: apprenticeship. pp. 56. London, 1879.

Thompson, S. P. Technical education: apprenticeship schools in France. Macmillan: London, 1881.

Teegan, Thomas H. Technical, industrial, and commercial education in France. Simpkin: London, 1892.

"An excellent work and comprehensive history of the wonderfully complete network of French technical schools, describing the systems of training teachers, and giving full and clear accounts of industrial, commercial, and agricultural education in France."—Sonnenschein.

Warren, S. D. Notes on polytechnic or scientific schools in the United States. pp. 58. N. Y.

White, Andrew D. Scientific and industrial education in the United States. pp. 24. N. Y., 1874.

Wood, De Volson, and others. Engineering education. [Published by the society for the promotion of engineering education.] pp. 342. Columbia, Mo., 1894.

Wyatt, M. D. Fine art: a sketch of its history, theory, practice, and application to industry. pp. 375. Macmillan: London, 1877.

Yeats, J. Technical, industrial and trade education. 4 vols. London, 1887.

2. Military.

Barnard, Henry. Military schools and courses of instruction in the science and art of war in France, Prussia, Austria, Russia, Sweden, Switzerland, Sardinia, England, and the United States. Steiger: N. Y., 1872.

Bellairs, Wm. The military career. Allen: London, 1890.

Carrington, H. B. Military education in American colleges. pp. 16. [Indianapolis, 1870.]

How we educate our officers. Allen: London, 1884.

James, Walter H. Military education and training. pp. 22. [Wash., 1883.]

Marshall, E. C. History of the U. S. naval academy [at Annapolis]. N. Y., 1862.

Pegram, J. C. Recollections of the United States naval academy [at Annapolis]. pp. 49. Providence, 1891.

Report of the director-general of military education on [English] army schools and libraries. [Blue book.] Eyre: London, 1877.

Slade, C. G. Hints on the military training course. pp. 23. London, 1885.

Soley, J. R. Report on foreign systems of naval education. Wash., 1880.

3. Agriculture.

Aikman, C. M. Agricultural education in this country and abroad. pp. 22. Glasgow, 1889.

Lloyd, F. T. The science of agriculture. pp. 365. London, 1884.

Northrop, B. G. Menticulture and agriculture; or what our schools should do for agriculture. pp. 30. New Haven, 1881.

Northrop, B. G. Tree planting and schools of forestry in Europe. pp. 79. Judd: N. Y., 1879.

Scott, C. W. Agricultural education historically considered. pp. 26. Concord, 1884.

Wallace, R. Agricultural education. pp. 23. Edinburgh, 1885.

White, Andrew D. Address on agricultural education. pp. 49. Albany, 1869.

Wrightson, J. Principles of agriculture as an instructional subject. Chapman: London, 1888.

Wrightson, J. Technical instruction in agriculture. pp. 24. London, 1882.

4. Business.

Bourne, C. W. Considerations on commercial education. London, n. d.

Coutie, G. The education of boys for business. pp. 272. Philip: London, 1875.

Edwards, F. W. Commercial education, including a review of the commercial schools of the continent. pp. 33. Marples: Liverpool, 1889.

James, Edmund J. A plea for the establishment of commercial high schools. pp. 17. Phila., 1893.

James, Edmund J. Education of business men: schools of finance and economy. pp. 39. N. Y., 1892.

James, Edmund J. Education of business men in Europe. pp. 282. N. Y., 1893.

Packard, S. A. A familiar talk on business education. pp. 31. [N. Y., 1890.]

Whitefield, E. E. School introduction to the commercial sciences. Percival: London, 1892.

Yeats, J. Commercial instruction. pp. 354. Philip: London, 1890.

XI. MANUAL TRAINING.

a. History and Theory.

Atherton, George W., and others. Report of the commission on industrial education made to the legislature of Pennsylvania. pp. 592. Myers: Harrisburg, 1889.

Ashbee, Charles R. A few chapters in workshop reconstruction and citizenship. pp. 166. Guild: London, 1894.

Balliet, Thomas M. Manual training: its educational value. pp. 18. Malden: Mass., 1896.

Banes, Charles H. Manual training and apprenticeship schools in 1890. pp. 81. Phila., 1890.

Barrows, Isabel C., editor. A conference on manual training. pp. 182. Ellis: Boston, 1891.

Batchelder, Lizzie S. A memorial on industrial schools. pp. 18. Boston, 1872.

Blake, James Vila. Manual training in education. pp. 83. Chicago, 1886.

Brabazon, Reginald. Prosperity or pauperism. pp. 342. Longmans: London, 1888.

Essays on physical, industrial, and technical training.

Brabazon, Reginald. Some national and board school reforms. pp. 143. Longmans: London, 1887.

Butler, Nicholas Murray. Arguments for manual training. pp. 39. Kellogg: N. Y., 1888.

Chapman, E. Sloyd as a factor in education. pp. 19. London, 1888.

Franzen, J. A plea for slöjd. Translated from the Swedish by Anna Strömsten. Philip: London, 1891.

Gilman, D. C., and **Belfield, H. H.** A plea for the training of the hand, and manual training in the public schools. pp. 24. N. Y., 1888.

Götze, Woldemar. Illustrated manual of hand and eye training on educational principles. pp. 229. Newmann: London, 1894.

"The only satisfactory exposition of the German system of manual training."—Charles A. Bennett.

Field, W. G. The Berlin course of easy woodwork. Newman: London, 1895.

Ham, Charles H. Coeducation of mind and hand. pp. 38. N. Y., 1890.

Ham, Charles H. Manual training the solution of social and industrial problems. pp. 403. Harper: N. Y., 1886.

"An uncompromising argument of manual training as a part of general education. Contains a detailed account of the organization and course of instruction in the Chicago manual-training school."—James MacAlister.

Harris, William T. The educational value of manual training. pp. 14. Bardeen: Syracuse, 1889.

Harris, William T. The psychology of manual training. pp. 22. [Boston] 1889.

Hogg, Alexander. Industrial education. pp. 52. Galveston, 1879.

Hoffman, B. B. Sloyd system of woodworking: with description of the Eva Rohde model series, and sketch of the growth of the manual-training idea. pp. 242. Am. Book Co.: N. Y., 1892.

Jacobson, Augustus. Higher ground; hints toward settling the labor troubles. pp. 251. McClurg: Chicago, 1888.

Jarvis, Edward. The value of common school education to common labor. pp. 37. Bu. of Ed.: 1879.

Latrobe, J. H. B. Manual-labor schools. pp. 20. Baltimore, 1840.

Lord, Emily. Slöjd as a means of teaching the essential elements of education. London, 1888.

Leland, Charles G. Practical education. pp. 280. Whittaker: London, 1889.

Contains a bibliography of books on technical education.

MacAlister, James. Manual training in its scholastic and social relations. Phila., 1887.

MacAlister, James. Manual training in the public schools of Philadelphia. pp. 56. N. Y., 1890.

MacArthur, Arthur. Education in its relation to manual industry. pp. 393. Appleton: N. Y., 1884.

Magnus, Philip. Industrial education. pp. 271. Paul: London, 1888.

Magnus, Philip. Technical instruction in elementary and intermediate schools. Trounce: London, 1883.

Report of the Mass. commission appointed to investigate the existing systems of manual-training and industrial education. pp. 320. Boston, 1893.

Richards, Charles R., and **O'Neil, Henry P.** Manual training in the public schools. pp. 29. N. Y., 1890.

Richards, Ellen H. Domestic economy as a factor in public education. pp. 30. N. Y., 1889.

Rooper, T. G. Handwork in education. Leeds, 1888.

Runkle, John D. The manual element in education. pp. 72. Rand: Boston, 1882.

Russell, J. S. Systematic technical education for English people. Bradbury: London, 1869.

Salomon, Otto. Slöjd in the service of the school. Translated by W. H. Carpenter. N. Y., 1888.

Salomon, Otto. The theory of educational slöjd. Philip: London, 1892.

Salomon, Otto. The teacher's handbook of Slöjd. Translated by Mary R. Walker and W. Nelson. Philip: London, 1892.

Seidel, Robert. Industrial education: a pedagogic and social necessity. pp. 160. Heath: Boston, 1887.

Slagg, J. Technical teaching. Manchester, 1884.

Stetson, C. B. Technical education: what it is and what the American public schools should teach. pp. 284. Osgood: Boston, 1876.

Straight, H. H. Aspects of industrial education. pp. 12. Bardeen: Syracuse, 1892.

Sutcliffe, J. D. Handcraft: English exposition of Slöjd. London, 1890.

Woodward, C. M. The manual-training school. pp. 366. Heath: Boston, 1887.

b. Methods and Manuals.

Bamberger, G. Education of head and hand: six manuals of exercises for the primary grades of public and private schools. pp. 116. Flanagan: Chicago, 1892.

Barter, S. Manual instruction: woodwork. Macmillan: N. Y., 1892.

Brant, Elizabeth M. Systematic cutting out from units of measurements: for class teaching. pp. 62. London, 1884.

Brietzcke, Helen K., and **Rooper, Emily F.** A manual of collective lessons in plain needlework and knitting: for use in elementary schools. pp. 168. London, 1881.

Church, Ella R. The home needle. pp. 128. Appleton: N. Y., 1882.

Compton, Alfred G. First lessons in woodworking. pp. 188. N. Y., 1888.

Degerdon, W. E. Grammar of woodwork: a graduated system of manual training. pp. 44. Macmillan: London, 1892.

Glaister, Elizabeth. Needlework. pp. 124. Macmillan: London, 1880.

Goss, W. F. M. Bench work in wood. pp. 161. Ginn: Boston, 1888.

"A convenient treatise on woodworking tools."—C. A. Bennett.

Handbook for sewing-school teachers. pp. 128. Whittaker: N. Y., 1893.

"Full of good suggestions for sewing-school teachers."—Mary Schenck Woolman.

Hapgood, O. C. School needlework: a course of study in sewing designed for use in schools. (Teachers' edition.) pp. 162. Ginn: Boston, 1893.

"A helpful and suggestive book which every sewing teacher should own."—Mary Schenck Woolman.

Hinckley, F. A. Woodwork in the common school. pp. 126. Bradley: Springfield, Mass., 1895.

Johnson, C. F. Progressive lessons in the art and practice of needlework: for use in schools. pp. 116. Heath: Boston, 1893.

"The method of teaching sewing developed with excellent results by the writer in the public schools of Brookline, Mass."—Mary Schenck Woolman.

Kilborn, G. B. Elementary woodwork. pp. 99. Lee: Boston, 1893.

Kilborn, G. B. Knife work in the schoolroom. pp. 200. Bradley: Springfield, 1890.

Larsson, Gustaf. Teacher's sloyd manual. pp. 43. Boston, 1890.

Love, Samuel G. Industrial education: a guide to manual training. pp. 306. Kellogg: N. Y., 1887.

Major, H. Teacher's manual of lessons on domestic economy. Blacking: London, 1893.

Martineau, Gertrude. A village class for drawing and wood carving: hints to teachers. Longmans: London, 1891.

Mitchell, Charles F. Forty lessons in carpentry workshop practice. pp. 47. Cassell: London, 1891.

Ricks, George. Hand and eye training. 2 vols. Cassell: London, 1889.

Rosevear, Elizabeth. Text-book of needlework, knitting, and cutting out, with methods of teaching. pp. 460. Macmillan: London, 1893.

"A practical and stimulating book of methods of teaching sewing in English schools."—Mary Schenck Woolman.

Sickles, Ivan. Exercises in woodworking: with a short treatise on wood. pp. 158. N. Y., 1890.

Unwin, W. C. Exercises in woodworking for handicraft classes in elementary and technical schools. London, 1887.

Upham, Arthur A. Fifty lessons in woodworking. pp. 99. Kellogg: N. Y., 1892.

Weaver, Emily A. Paper and scissors in the schoolroom. pp. 77. Bradley: Springfield, Mass., 1893.

Whitaker, Channing. Woodworking tools: how to use them. pp. 102. Heath: Boston, 1887.

White, Sallie Joy. Cookery in the public schools. pp. 173. Lothrop: Boston, 1890.

Woolman, Mary Schenck. Sewing course for schools, with models and directions as to stitches, materials, and methods. Teachers' College: N. Y., 1893.

XII. PHILOSOPHY.

a. Introduction.

Bain, Alexander. Mental science: a compendium of psychology and the history of philosophy. pp. 528. Appleton: N. Y., 1882.

Bowne, Borden P. Introduction to psychological theory. pp. 329. Harper: N. Y., 1887.

Calderwood, Henry. Vocabulary of philosophy and student's book of reference. pp. 359. Griffin: London, 1894.

Griffith, T. The A B C of philosophy. pp. 132. London, 1880.

Harris, William T. Introduction to the study of philosophy. Comprising passages from his writings selected and arranged by Marietta Kies. pp. 287. Appleton: N. Y., 1889.

Hudson, W. H. Introduction to the philosophy of Herbert Spencer. pp. 234. Appleton: N. Y., 1894.

Jevons, W. Stanley. The principles of science: a treatise on logic and scientific method. pp. 786. Macmillan: London, 1883.

Ladd, George T. Introduction to philosophy: an inquiry after a rational system of scientific principles in their relation to ultimate reality. pp. xii+426. Scribner: N. Y., 1895.

Levin, T. W. Six lectures introductory to the philosophical writings of Cicero. Deighton: Cambridge, 1871.

Paulsen, Friedrich. Introduction to philosophy. Translated by Frank Thilly. pp. 437. Holt: N. Y., 1895.

Stuckenberg, J. H. W. Introduction to the study of philosophy. Armstrong: N. Y., 1888.

b. History and Biography.

Bascom, John. An historical interpretation of philosophy. pp. 518. Putnam: N. Y., 1893.

Bax, Ernest B. A handbook of the history of philosophy. pp. 419. Bell: London, 1886.

Bigg, Charles. The Christian Platonists of Alexandria. Clarendon Press: Oxford, 1887.

Bonar, James. Philosophy and political economy in some of their historical relations. pp. 410. Sonnenschein: London, 1893.

Bowen, Francis. Modern philosophy from Descartes to Schopenhauer and Hartmann. Scribner: N. Y., 1877.

Burnet, John. Early Greek philosophy. Macmillan: N. Y., 1892.

Burt, B. C. A history of modern philosophy. 2 vols. McClurg: Chicago, 1892.

Burt, B. C. A brief history of Greek philosophy. Ginn: Boston, 1889.

Butler, W. A. Lectures on the history of ancient philosophy. pp. 577. Macmillan: London, 1874.

Caird, Edward. A critical account of the philosophy of Kant, with an historical introduction. pp. 673. Maclehose: Glasgow, 1877.

Cooke, G. W. Ralph Waldo Emerson: his life, writings, and philosophy. pp. 390. Osgood: Boston, 1882.

Cousin, Victor. Course of the history of modern philosophy. Translated by O. W. Wright. 2 vols. pp. 452, 439. Appleton: N. Y., 1852.

Crozier, J. B. Civilization and progress: outline of a new system of philosophy. Longmans: London, 1888.

Davies, J. Hindu philosophy. Trübner: London, 1881.

Drummond, J. Philo-Judæus: or the Jewish Alexandrian philosophy in its development and completion. 2 vols. Williams: London, 1888.

Erdmann, J. E. History of philosophy. 3 vols. Sonnenschein: London, 1889.

Vol. i, ancient and mediæval; vol. ii, modern; vol. iii, since Hegel.

Falckenberg, R. History of modern philosophy from Nicolas of Cusa to the present time. pp. 655. Holt: N. Y., 1893.

Grote, George. Plato and other companions of Socrates. Edited by Alexander Bain. 4 vols. Murray: London, 1889.

Guernsey, A. H. Ralph Waldo Emerson: philosopher and poet. Appleton: N. Y., 1881.

Haldane, R. B. Life of Adam Smith. Scott: London, 1887.

Harris, William T. The history of philosophy in outline. [St. Louis, 1876.]

Hegel, G. W. F. Lectures on the history of philosophy. 3 vols. Paul: London, 1894.

Lewes, George H. The biographical history of philosophy from its origin in Greece down to the present day. pp. 801. Appleton: N. Y., 1883.

Maccoll, N. The Greek skeptics from Pyrrho to Sextus. Macmillan: London, 1869.

Maurice, F. D. Moral and metaphysical philosophy [of the first six centuries.] London, 1854.

McCosh, James. The Scottish philosophy: biographical, expository, critical, from Hutcheson to Hamilton. pp. 481. Carter: N. Y., 1875.

Morell, J. D. An historical and critical view of the speculative philosophy in Europe in the nineteenth century. 2 vols. pp. xxviii + 591, 666. London, 1847.

Nichols, John. Life and times of Bacon. 2 vols. Trübner: London, 1878.

Packard, L. R. Studies in Greek thought. pp. 182. Boston, 1886.

Pater, W. H. Marius, the Epicurean: his sensations and ideas. Macmillan: London, 1888.

Pater, W. Plato and Platonism. Macmillan: N. Y., 1893.

Pollock, F. Spinoza's life and philosophy. Paul: London, 1880.

Ribot, Th. English psychology. Translated from the French. pp. 338. Appleton: N. Y., 1874.

Ribot, Th. German psychology of to-day: the empirical school. Translated by James Mark Baldwin. pp. 307. Scribner: N. Y., 1886.

Sanborn, F. B., and **Harris, William T.** A. Bronson Alcott: his life and philosophy. 2 vols. pp. 679. Roberts: Boston, 1893.

Schwegler, Albert. A history of philosophy. Translated by Julius H. Seelye. pp. 469. Appleton: N. Y., 1886.

Scott, A. J. Notes of four lectures on the literature and philosophy of the middle ages. Edinburgh, 1857.

Stephens, Leslie. History of English thought in the eighteenth century. 2 vols. Smith: London, 1880.

Tullock, John. Modern theories in philosophy and religion. pp. 444. Blackwood: Edinburgh, 1884.

Ueberweg, Friedrich. History of philosophy from Thales to the present time. 2 vols. Scribner: N. Y., 1876.

"Contains admirable condensed exposition of methods and good bibliographies."—Sonnenschein.

Wallace, William. Life of Schopenhauer. Scott: London, 1890.

Windelband, W. History of philosophy. Translated by J. H. Tufts. pp. 640. Macmillan: N. Y., 1893.

Zeller, Edward. The pre-Socratic schools. Translated by Sarah F. Alleyne. 2 vols. Longmans: London, 1882.

Zeller, Edward. Stoics, Epicureans, and skeptics. Translated by O. J. Reichel. pp. 585. Longmans: London, 1880.

Zeller, Edward. History of eclecticism in Greek philosophy. pp. 383. Longmans: London, 1883.

Zeller, Edward. Outlines of the history of Greek philosophy. Translated by Sarah Frances Alleyne and Evelyn Abbott. pp. 363. Holt: N. Y., 1886.

Zeller, Edward. Aristotle and the earlier peripatetics. Translated by B. F. C. Costelloe and J. H. Muirhead. 2 vols. pp. 520, 512. Longmans: London, 1897.

Zeller, Edward. Socrates and the Socratic schools. Translated by O. J. Reichel. pp. 410. Longmans: London, 1885.

Zeller, Edward. Plato and the older academy. Translated from the German by Sarah Frances Alleyne and Alfred Goodman. pp. 629. Longmans: London, 1876.

c. Principles, Systems, and Criticisms.

Abercrombie, John. Inquiries concerning the intellectual powers and the investigation of truth. pp. 344. London, 1882.

Aristotle. Politics. Translated by Wm. Ellis. pp. 284. Routledge: London, 1893.

Aristotle. Ethics. Translated by F. H. Peters. Paul: London, 1881.

Aurelius, Marcus. Thoughts of. Translated by George Long. Macmillan: N. Y., 1890.

Bacon, Francis. *Novum organum:* or a true guide to the interpretation of nature. Translated by G. W. Kitchin. pp. 338. Oxford, 1855.

Bentham, Jeremy. Introduction to the principles of morals and legislation. Clarendon Press: Oxford, 1876.

Berkeley, George. A treatise concerning the principles of human knowledge. pp. 424. Lippincott: Phila., 1874.

Caird, Edward. The critical philosophy of Immanuel Kant. 2 vols. pp. 654, 660. Macmillan: N. Y., 1889.

Cicero. Academica. Translated by J. S. Reid. Macmillan: London, 1880.

Collins, F. Howard. An epitome of the synthetic philosophy. pp. 571. Appleton: N. Y., 1889.

Comte, Auguste. System of positive philosophy. 4 vols. Longmans: London, 1887.

Dana, W. F. The optimism of Ralph Waldo Emerson. pp. 64. Boston, 1886.

Descartes. The method, meditations, and selections from the principles of. Translated with an introductory essay, historical and critical, by John Veitch. pp. 292. Blackwood: Edinburgh, 1881.

Dewey, John. Leibnitz's new essay concerning the human understanding. Griggs: Chicago, 1888.

Dunton, Larkin, and others. The old psychology and the new. pp. 38. New Eng. Pub. Co.: Boston, 1895.

Epictetus. Discourses of. Translated by George Long. Macmillan: N. Y., 1890.

Eucken, Rudolph. The fundamental concepts of modern philosophic thought, critically and historically considered. Translated by M. S. Phelps. pp. 304. Appleton: N. Y., 1880.

Everett, C. C. Fichte's science of knowledge. pp. 287. Griggs: Chicago, 1884.

Fichte, J. G. The science of knowledge. Translated by A. E. Kroeger. Trübner: London, 1889.

Fichte, J. G. Popular works. Translated by W. Smith. Trübner: London, 1873.

Fischer, Kuno. A critique of Kant. Translated from the German by W. S. Hough. pp. 188. Sonnenschein: London, 1888.

Fiske, John. Outlines of cosmic philosophy, based on the doctrine of evolution, with criticisms on the positive philosophy. 2 vols. Osgood; Boston, 1875.

Gough, A. E. Philosophy of the Upanishads and ancient Indian metaphysics. Trübner: London, 1882.

Hamilton, William. Discussions on philosophy and literature, education and university reform. pp. 758. Longmans: London, 1852.

Contains his celebrated polemic against the culture value of mathematics.

Hamilton, William. Philosophy. Edited by O. W. Wight. pp. 530. Appleton: N. Y., 1853.

Harris, William T., editor. The journal of speculative philosophy. Published quarterly by the editor. St. Louis and New York, 1867 to date.

Harris, William T. The spiritual sense of Dante's Divine commedia. pp. 216. Houghton: Boston, 1896.

Harris, William T. Hegel's doctrine of reflection translated. Appleton: N. Y., 1891.

This is the second volume of Hegel's larger logic.

Harris, William T. Philosophy in outline: being a brief exposition of the method of philosophy and its results of obtaining a view of nature, man, and God. pp. 42. Appleton: N. Y., 1883.

Hatch, W. M. The moral philosophy of Aristotle. Murray: London, 1879.

Hobbes, Thomas. Leviathan: matter, forme, and power of a commonwealth. Routledge: London, 1885.

Hume, David. A treatise of human nature. Edited by L. A. Selby-Bigge. pp. 709. Clarendon Press: Oxford, 1888.

Isvara Krishna. Exposition of the system of Kapíla. pp. 151. Trübner: London, 1881.

Kant, Immanuel. Critique of pure reason. Translated by Max Müller. 2 vols. pp. 510, 735. Macmillan: London, 1881.

Kant, Immanuel. Critique of practical reason. Translated by T. K. Abbott. Longmans: London, 1883.

Kant, Immanuel. Principles of politics. Translated by W. Hastie. Trübner: London, 1889.

Ladd, George T. Philosophy of mind: an essay in the metaphysics of psychology. pp. 414. Scribner: N. Y., 1895.

Lao-Tse. The speculations on the metaphysics, polity, and morality of the old philosopher Lao-Tse. Translated from the Chinese by John Chalmers. pp. 62. London, 1868.

Leibnitz, G. W. Works. Translated by G. M. Duncan. Tuttle: New Haven, Conn., 1890.

Leibnitz, G. W. New essays concerning the human understanding. Translated by A. G. Langley. Macmillan: N. Y., 1896.

Locke, John. Philosophical works with notes by J. A. St. John. 2 vols. Bell: London, 1854.

Lotze, Hermann. System of philosophy. English translation edited by Bernard Bosanquet. 2 vols. pp. 538, 539. Clarendon Press: Oxford, 1884.

Lotze, Hermann. Outlines of practical philosophy. Translated by George T. Ladd. pp. 156. Ginn: Boston, 1885.

McCosh, James. Locke's theory of knowledge with a notice of Berkeley. pp. 77. Scribner: N. Y., 1884.

McCosh, James. The first and fundamental truths: being a treatise on metaphysics. pp. 360. Scribner: N. Y., 1889.

Mill, James. Analysis of the human mind. With notes by John Stuart Mill. 2 vols. Longmans: London, 1878.

Mill, John Stuart. On liberty. Longmans: London, 1883.

Mill, John Stuart. Examination of Sir William Hamilton's philosophy. Longmans: London, 1878.

Montaigne, Michael. Essays. Routledge: London, 1891.

Muirhead, J. H., editor. Sonnenschein's library of philosophy. 20 vols. Sonnenschein: London, 1896.

Covers the field of the history of philosophy in general and of particular schools and departments; original contributions to philosophy and translations of foreign works.

Müller, Max. The science of thought. 2 vols. pp. 656. Scribner: N. Y., 1887.

Patanjali. The aphorisms of the Yoga philosophy with illustrative extracts from the commentary by Bhoja Rájá. Translated by J. R. Ballantyne. Allahabad, 1853.

Plato. Phædrus, Lysis, and Protagoras. Translated by Josiah Wright. Macmillan: London, 1888.

Plato. Euthyphro, Apologia, Crito, and Phædo. Translated by F. J. Church. Macmillan: London, 1886.

Plato. The republic. Translated by B. Jowett [with analyses and introduction]. Clarendon Press: Oxford, 1889.

Porter, Noah. The human intellect. With an introduction upon psychology and the soul. pp. 673. Scribner: N. Y. [1863].

Reid, Thomas. Essays on the intellectual powers of man. Edited by James Walker. pp. 492. Phila., 1878.

Reid, Thomas. Philosophical works. Edited by Sir William Hamilton. 2 vols. Longmans: London, 1862.

Rickaby, J., and others. Manuals of philosophy for the use of Catholics. 6 vols. Longmans: London, 1889.

First principles; logic; metaphysics; moral philosophy; natural theology; psychology.

Rosmini-Serbati, A. Philosophical system. Translated by Thomas Davidson. pp. cxvi + 396. Paul: London, 1882.

Rousseau. Confessions. Glaisher: London, 1876.

Royce, Josiah. The religious aspect of philosophy. pp. 484. Houghton: Boston, 1885.

Royce, Josiah. The spirit of modern philosophy. pp. 519. Houghton: Boston, 1892.

Sanborn, F. B., editor. The genius and character of Emerson. pp. 447. Houghton: Boston, 1885.

Schiller, J. C. F. The æsthetic letters, essays, and the philosophical letters. Translated by J. Weiss. pp. 379. Little: Boston, 1845.

Schopenhauer, Arthur. The world as will and idea. Translated by R. B. Haldane and J. Kemp. 3 vols. Trübner: London, 1886.

Silva Sanhita. The esoteric philosophy of the Tantras. Translated by Srischandra Basu. Calcutta, 1887.

Smith, Adam. Theory of moral sentiments. Edited by Dugald Stewart. Bell: London, 1853.

Spencer, Herbert. First principles of a new system of philosophy. pp. 602. Appleton: N. Y., 1894.

Spinoza, B. Chief works. Translated by R. H. M. Elwes. 2 vols. Bell: London, 1884.

Stewart, Dugald. Elements of the philosophy of the human mind. pp. 591. Tegg: London, 1877.

Watson, John. Comte, Mill, and Spencer. pp. 302. Maclehose: Glasgow, 1895.

Watson, John. Kant and his English critics. pp. 402. Maclehose: Glasgow, 1881.

Watters, Thomas. Lao-Tzu: a study in the Chinese philosophy. Hong-Kong, 1878.

Whewell, William. Philosophy of the inductive sciences. 2 vols. Parker: London, 1847.

Yesira Sepher Yezirah. A book on creation: or the Jewish metaphysics of remote antiquity. English translation by Isidor Kalisch. pp. 57. N. Y., 1887.

Yi King. Classic of change. Translated from the Chinese by Thomas McClatchie. Shanghai, 1876.

d. Philosophy of History.

Adams, Brooks. The law of civilization and decay. pp. 302. Sonnenschein: London, 1895.

Bisset, A. Essays on historical truth. Longmans: London, 1871.

Blackie, John S. What does history teach? pp. 123. Scribner: N. Y., 1886.

Bunsen, C. C. J. Outlines of the philosophy of universal history. 2 vols. Longmans: London, 1854.

Doherty, Hugh. Philosophy of history and social evolution. pp. 188. Trübner: London, 1874.

Flint, Robert. History of the philosophy of history. France, French Belgium, and Switzerland. Scribner: N. Y., 1894.

Flint, Robert. The philosophy of history in Europe. pp. 609. Blackwood: Edinburgh, 1874.

Harrison, Frederic. The meaning of history and other historical pieces. pp. 507. Macmillan: London, 1894.

Hegel, G. W. F. Lectures on the philosophy of history. Translated by J. Sibree. pp. 477. Bell: London, 1881.

Lecky, W. E. H. The political value of history. pp. 57. Arnold: London, 1892.

Rogers, J. E. T. The economic interpretation of history. Unwin: London, 1888.

Schlegel, K. W. F. von. The philosophy of history. Bell: London, 1859.

e. Logic.

Bain, Alexander. Logic: deductive and inductive. pp. 731. Appleton: N. Y., 1874.

Bosanquet, Bernard. Logic: or the morphology of knowledge. 2 vols. Clarendon Press: Oxford, 1888.

Bradley, F. H. The principles of logic. pp. 534. Paul: London, 1883.

Clarke, R. F. Logic. pp. 497. Longmans: London, 1889.

Condillac, E. B. Logic. Translated by Joseph Neef. pp. 136. Phila., 1809.

Davis, N. K. Elements of deductive knowledge. pp. 208. Harper: N. Y., 1893.

Dixon, E. T. An essay on reasoning. pp. 88. Deighton: Cambridge, 1891.

Hamilton, William. Lectures on metaphysics and logic. 2 vols. Gould: Boston, 1866.

Harris, William T. Hegel's logic: a critical exposition. pp. 433. Griggs: Chicago, 1890.

Hegel, G. W. F. Logic: translated from the encyclopædia of philosophical sciences. By W. Wallace. pp. 439. Clarendon Press: Oxford, 1892.

Hickok, L. P. The logic of reason, universal, and eternal. pp. 192. Lee: Boston, 1875.

Jevons, W. S. Logic. pp. 128. Appleton: N. Y., 1881.

Jevons, W. S. Studies in deductive logic. pp. 304. Macmillan: London, 1880.

Kant, Immanuel. Introduction to logic. Translated by Thomas K. Abbott. pp. 100. Longmans: London, 1885.

Lotze, Hermann. Outlines of logic and encyclopædia of philosophy. Translated by George T. Ladd. pp. 190. Ginn: Boston, 1892.

Mill, John Stuart. A system of logic, ratiocinative and inductive. pp. 600. Harper: N. Y., 1859.

Minto, William. Logic inductive and deductive. pp. 373. Murray: London, 1893.

Peirce, C. S., editor. Studies in logic. pp. 203. Little: Boston, 1883.

Ueberweg, Friedrich. System of logic and history of logical doctrine. Translated by T. B. Lindsay. pp. 590. Longmans: London, 1871.

Wallace, William. Prolegomena to the study of Hegel's philosophy and especially of his logic. pp. 477. Clarendon Press: Oxford, 1894.

XIII. PSYCHOLOGY.

a. Educational Psychology.

Baker, J. H. Elementary psychology with practical applications to education and the conduct of life. pp. 232. Maynard: N. Y., 1890.

"A succinct and, as far as possible, clear condensation of the current Scotch philosophy."—John Dewey.

Baldwin, Joseph. Psychology applied to the art of teaching. pp. 381. Appleton: N. Y., 1892.

Baldwin, Joseph. Elementary psychology and education. pp. 293. Appleton: N. Y., 1887.

Bascom, John. The science of mind. pp. 462. N. Y., 1881.

Brooks, Edward. Mental science and methods of mental culture. pp. 504. Lancaster, 1885.

Compayré, Gabriel. Elements of psychology. Translated by W. H. Payne. pp. 315. Lee: Boston, 1895.

Compayré, Gabriel. Psychology applied to education. Translated by W. H. Payne. pp. 225. Heath: Boston, 1894.

Copner, James. Memoranda mnemonica. Williams: London, 1893.

A popular psychology of memory.

Coupland, W. C. The elements of mental and moral science applied to teaching. Hughes: London, 1889.

Davis, Noah K. Elements of psychology. pp. 346. Silver: Boston, 1892.

Gordy, J. P. Lessons in psychology. pp. 349. Hahn: Columbus, 1890.

An effort to teach psychology by correspondence.

Goschen, J. G. The cultivation and use of the imagination. Arnold: London, 1893.

Granville, J. M. Training of the memory. Allen: London, 1881.

Green, F. W. E. Memory: its local relations and cultivation. Baliêre: London, 1888.

Harris, William T. Psychologic foundations of education. Appleton: N. Y., 1897.

Haven, Joseph. Mental philosophy: including the intellect, sensibilities, and will. pp. 583. Sheldon: N. Y., 1883.

Hinton, C. Howard. The education of the imagination. Sonnenschein: London, 1888.

Hoffmann, U. J. The science of mind applied to teaching. Fowler: N. Y., 1885.

Hopkins, Louisa Parsons. Elementary psychology: a treatise for parents and educators. pp. 96. Lee: Boston, 1887.

Kay, David. Memory: what it is and how to improve it. pp. 334. Appleton: N. Y., 1889.

Kirkpatrick, E. A. Inductive psychology: an introduction to the study of mental phenomena. pp. 208. Kellogg: N. Y. [1895].

Krohn, William O. Practical lessons in psychology. pp. 402. Werner: Chicago, 1894.

Lange, Karl. Apperception: a monograph on psychology and pedagogy. Translated by the Herbart club and edited by Charles De Garmo. pp. 279. Heath: Boston, 1894.

Laurie, S. S. Institutes of education: comprising an introduction to rational psychology. Macmillan: N. Y., 1892.

Lindner, Gustav Adolph. Manual of empirical psychology. Translated by Chas. De Garmo. pp. 274. Heath: Boston, 1889.

Lukens, Herman T. The connection between thought and memory. With an introduction by G. Stanley Hall. pp. 169. Heath: Boston, 1895.

Maher, Michael. Psychology. pp. 569. Longmans: London, 1890.

"It is a sober, scholarly, and important book."—Nicholas Murray Butler.

McLellan, J. A. Applied psychology. Ed. Pub. Co.: Boston, 1889.

Morgan, C. Lloyd. Psychology for teachers. With a preface by J. G. Fitch. pp. 251. Arnold: London [1894].

Pick, E. Memory and its doctors. Trübner: London, 1888.

Radestock, Paul. Habit and its importance in education: an essay on pedagogical psychology. Translated by F. A. Caspari. pp. 117. Heath: Boston, 1887.

Roark, R. N. Psychology in education. pp. 312. Am. Book Co.: N. Y., 1895.

Rooper, T. G. Apperception: or the essential mental operation in the act of learning. pp. 52. Bardeen: Syracuse, 1891.

Sully, James. Outlines of psychology, with special reference to the theory of education. pp. 711. Appleton: N. Y., 1884.

Welch, A. S. The teachers' psychology. pp. 286. Kellogg: N. Y., 1890.

Williams, H. G. Outlines of psychology. pp. 151. Bardeen: Syracuse, 1895.

b. Empirical Psychology.

Bain, Alexander. Mind and body: the theories of their relation. pp. 200. Appleton: N. Y., 1882.

Bain, Alexander. The senses and the intellect. pp. 714. Appleton: N. Y., 1879.

Bain, Alexander. The emotions and the will. pp. 604. Appleton: N. Y., 1876.

Baldwin, J. Mark. Elements of psychology. pp. 373. Holt: N. Y., 1893.

Baldwin, J. Mark. Handbook of psychology. 2 vols. pp. 343, 394. Holt: N. Y., 1892.

Bastian, H. C. The brain as an organ of mind. pp. 708. Appleton: N. Y., 1880.

Bernstein, Julius. The five senses of man. pp. 304. Appleton: N. Y., 1881.

Calderwood, Henry. The relations of mind and brain. pp. 455. Macmillan: London, 1879.

Carpenter, William B. Principles of mental physiology, with their application to the training and discipline of the mind. pp. 737. Appleton: N. Y., 1886.

Clifford, W. K. Seeing and thinking. pp. 156. Macmillan: London, 1880.

Combe, George. The constitution of man, considered in relation to external objects. pp. 371. Claxton: Phila., 1868.

Darwin, Charles. The expression of the emotions in man and animals. pp. 374. Appleton: N. Y., 1896.

Dewey, John. Psychology. pp. 427. Harper: N. Y., 1890.

Donaldson, H. R. The growth of the brain: a study of the nervous system in relation to education. Stock: London, 1895.

Ferrier, David. The functions of the brain. pp. 498. Appleton: N. Y., 1886.

Galton, Francis. Inquiries into human faculty and its development. pp. 380. Macmillan: N. Y., 1883.

Halleck, R. P. The education of the central nervous system. pp. 258. Macmillan: N. Y., 1896.

Herbart, J. F. A text-book on psychology. Translated by Margaret K. Smith. pp. 200. Appleton: N. Y., 1891.

Höffding, Harald. Outlines of psychology. Translated by Mary E. Lowndes. pp. 365. Macmillan: London, 1891.

James, William. Psychology. [Briefer course.] pp. 478. Holt: N. Y., 1892.

James, William. The principles of psychology. 2 vols. pp. 689, 704. Holt: N. Y., 1890.

"No book on psychology in any language has been so eagerly waited for in this generation, and it is safe to say no other book on psychology has appeared in this generation in English that was so well worth waiting for. . . . One of its most striking features is its breadth of reference to other writers in all languages."—J. Mark Baldwin.

Kulpe, Oswald. Outlines of psychology. Translated by E. B. Titchener. pp. 462. Macmillan: N. Y., 1895.

Ladd, George T. Elements of physiological psychology: a treatise of the activities and nature of the mind from the physical and experimental point of view. pp. 696. Scribner: N. Y., 1887.

"The only treatise on the subject in the English language, embodying the researches and discoveries of Wundt and other eminent investigators. An important and valuable work."—James MacAlister.

Ladd, George T. Psychology, descriptive and explanatory. pp. 676. Scribner: N. Y., 1894.

Ladd, George T. Primer of psychology. pp. 224. Longmans: N. Y., 1894.

"A very pleasant and readable account of the fundamental problems of psychology."—E. W. Scripture.

Lotze, Hermann. Outlines of psychology. Translated and edited by George T. Ladd. pp. 157. Ginn: Boston, 1891.

Luys, J. The brain and its functions. pp. 327. Appleton: N. Y., 1882.

Mantegazza, Paolo. Physiognomy and expression. pp. 327. Appleton: N. Y., 1890.

Maudsley, Henry. Body and will: being an essay concerning will in its metaphysical, physiological, and pathological aspects. pp. 333. Appleton: N. Y., 1884.

Maudsley, Henry. The physiology of the mind. pp. 547. Appleton: N. Y., 1878.

McCosh, James. Psychology: the cognitive powers. pp. 245. Scribner: N. Y., 1886.

McCosh, James. Psychology: the motive powers. pp. 267. Scribner: N. Y., 1887.

McCosh, James. The intuitions of the mind, inductively investigated. pp. 451. Scribner: N. Y., 1882.

Prince, Morton. The nature of mind and human automatism. pp. 174. Lippincott: Phila., 1885.

Raue, C. G. Psychology as a natural science applied to the solution of occult psychic phenomena. pp. 541. Porter: Phila., 1889.

Ribot, Th. The psychology of attention. pp. 121. Open Court Pub. Co.: Chicago, 1890.

Sanford, Edmund C. A course in experimental psychology. pp. 183. Heath: Boston, 1895.

Scripture, E. W. Thinking, feeling, doing. pp. 304. Flood & Vincent: Meadville, Pa., 1895.

Spencer, Herbert. The principles of psychology. 2 vols. pp. 642, 648. Appleton: N. Y., 1883.

Sully, James. The human mind. 2 vols. pp. 501, 393. Appleton: N. Y., 1892.

Taine, H. On intelligence. Translated by T. D. Haye. pp. 542. Reeve: London, 1871.

Wall, George. The natural history of thought. Trübner: London, 1889.

Warner, Francis. Lectures on mental faculty. Macmillan: N. Y., 1890.

Warner, Francis. Physical expression: its modes and principles. pp. 372. Appleton: N. Y., 1886.

Wundt, Wilhelm. Lectures on human and animal psychology. Translated by J. E. Creighton and E. B. Titchener. pp. 454. Macmillan: N. Y., 1894.

"Gives a general view of psychology and its methods, with brief accounts of the main lines of experiment and their results. Complete and clear treatment of all the fundamental problems of the science."—E. W. Scripture.

Ziehen, Theodor. Introduction to physiological psychology. Translated by C. C. Van Liew and Otto W. Beyer. pp. 284. Sonnenschein: London, 1892.

c. Comparative Psychology.

Bascom, John. Comparative psychology: or the growth and grades of intelligence. pp. 297. Putnam: N. Y., 1878.

Binet, Alfred. The psychic life of micro-organisms: a study in experimental psychology. Translated by Thomas McCormack. pp. 120. Chicago, 1889.

Lindsay, W. Lander. Mind in the lower animals. 2 vols. pp. 543, 571. Appleton: N. Y., 1880.

Lubbock, John. On the senses, instincts, and intelligence of animals. Appleton: N. Y., 1888.

Morgan, C. Lloyd. Animal life and intelligence. pp. 512. Ginn: Boston, 1891.

Morgan, C. Lloyd. An introduction to comparative psychology. pp. 382. Scribner: N. Y., 1894.

Romanes, George J. Animal intelligence. pp. 520. Appleton: N. Y., 1883.

Romanes, George J. Mental evolution in animals. With a posthumous essay on instinct by Charles Darwin. pp. 411. Appleton: N. Y., 1884.

Romanes, George J. Mental evolution in man: origin of human faculty. pp. 452. Appleton: N. Y., 1889.

d. Mental Pathology.

See also: IX, *d.*

Beard, G. M. Herbert Spencer on American nervousness. pp. 17. Putnam: N. Y., 1883.

Beard, G. M. American nervousness: its causes and consequences. pp. 352. Putnam: N. Y., 1881.

Beard, G. M. Psychology of the Salem witchcraft excitement. pp. 112. Putnam: N. Y., 1882.

Beard, G. M. A practical treatise on nervous exhaustion: its symptoms, nature, sequences, treatment. pp. 198. Wood: N. Y., 1880.

Clouston, T. S. The neuroses of development. London, 1891.

"Contains an account, chiefly from the pathological standpoint, of abnormal mental conditions arising during the periods of puberty and adolescence." —George E. Shuttleworth.

Combe, A. Observations on mental derangement. Edinburgh, 1887.

Corning, J. Leonard. Brain exhaustion, with some preliminary considerations on cerebral dynamics. pp. 234. Appleton: N. Y., 1884.

Corning, J. Leonard. Brain rest: being a disquisition on the curative properties of prolonged sleep. pp. 135. Putnam: N. Y., 1885.

Hammond, W. A. Cerebral hyperæmia. pp. 108. Putnam: N. Y., 1879.

Ireland, W. W. The blot upon the brain. pp. 374. Putnam: N. Y., 1886.

"Contains interesting essays on abnormal brain conditions and their consequences in the cases of some notable historical personages."—George E. Shuttleworth.

Ireland, W. W. Through the ivory gate. Putnam: N. Y., 1889.

Maudsley, Henry. Body and mind: an inquiry into their connection and mutual influence, especially in reference to mental disorders. pp. 275. Appleton: N. Y., 1883.

Maudsley, Henry. Pathology of mind. pp. 580. Appleton: N. Y., 1882.

"Not merely a scientific but a philosophic exposition of the subject."—George E. Shuttleworth.

Maudsley, Henry. Responsibility in mental diseases. pp. 313. Appleton: N. Y., 1883.

"Sets forth the medical as distinguished from the legal view of the subject."—George E. Shuttleworth.

Mercier, Charles. Sanity and insanity. pp. 395. Scribner: N. Y., 1892.

Mercier, Charles. The nervous system and the mind. pp. 374. Macmillan: London, 1888.

Mitchell, S. Weir. Wear and tear: hints for the overworked. Lippincott: Phila., 1887.

Ribot, Th. Diseases of memory. Translated by W. H. Smith. pp. 209. Appleton: N. Y., 1893.

Ribot, Th. The diseases of the will. Translated by M. M. Snell. pp. 134. Open Court Pub. Co.: Chicago, 1894.

Richardson, B. W. Diseases of modern life. pp. 520. Appleton: N. Y.

Sankey, W. H. O. Lectures on mental disease. London, 1884.

Sully, James. Illusions: a psychological study. pp. 372. Appleton: N. Y., 1881.

Tuke, Daniel Hack. Illustrations of the influence of the mind upon the body in health and disease. pp. 482. Lea: Phila., 1884.

e. Child Study.

See also: VII; IX; XIV; XV.

Adler, Mrs. Helen. Hints for the scientific observation and study of children. pp. 15. Teachers' Co.: N. Y., 1891.

Aldrich, Auretta Roys. Children: their models and critics. pp. 158. Harper: N. Y., 1893.

Alcott, Louise M. Comic tragedies. pp. 317. Roberts: Boston, 1893.

"A valuable collection of dramas written by girls for a study of dramatic activity."—Earl Barnes.

Bailey, J. How to teach babies. pp. 143. London, 1889.

Bainbridge, W. H. Early education. pp. 200. London, 1881.

Baldwin, J. Mark. Mental development in the child and the race. pp. 496. Macmillan: N. Y., 1895.

Bashkirtseff, Marie. Journal. Translated from the French by A. D. Hall and G. B. Hickel. pp. 825. Rand: Chicago, 1890.

"A valuable personal introspective study of early girlhood."—Earl Barnes.

Barker, Samuel. The diet of infancy and childhood. pp. 70. Hardwicke: London, 1864.

Barker, T. Herbert. On the hygienic management of infants and children. pp. 120. Churchill: London, 1859.

Barnes, Earl. Child study: 1. Children's imaginary companions, pp. 4, 1892; 2. A study on children's interests, pp. 11, 1893; 3. Studies on children [Oakland school report], pp. 22, 1893; 4. Theological life of a California child, pp. 7, 1894; 5. Studies on children's drawings, pp. 8, 1894; 6. Punishment as seen by children, pp. 11, 1895; 7. Discipline in the family and in the school [and], punishment for weak time sense, pp. 9, 1895. Stanford University: California.

A large number of suggestive outlines on child study.

Barnes, Earl, editor. Studies in education. 10 nos. Stanford University: Cal., 1896–'97.

"No one else has been so successful in getting masses of data on carefully defined topics. Those who desire to know what child study has done for teachers will find nothing in this country so helpful as Professor Barnes's studies."—Sara E. Wiltse.

Barrett, H. Management of infancy. pp. 627. London, 1883.

Barus, Annie Howes. The history of a child's passion. pp. 8. Washington, 1895.

A very slight study on a child's love for bottles.

Before I began to speak. By a baby. London, n. d.

Bolton, Henry Carrington. The counting-out rhymes of children: their antiquity, origin, and wide distribution. pp. 121. Stock: London, 1888.

Contains a full bibliography.

Bowdich, E. W. Confidential chats on the rearing of children. pp. 107. London, 1890.

Bowditch, H. P. The growth of children. pp. 51. Wright: Boston, 1877.

Bramhall, Mae St. John. The wee ones of Japan. pp. 137. Harper: N. Y., 1894.

A literary and very readable book. Valuable for comparison.

Brown, Elmer E., editor. Notes on children's drawings. pp. 75. University of California, Berkeley, 1897.

Browne, J. Crichton. Education and the nervous system. Cassell: London, 1884.

"The best plea so far made for the direct study of children, with valuable suggestions on periodicity in early education."—Earl Barnes.

Chamberland, A. F. The child and childhood in folk-thought: the child in primitive culture. pp. 464. Macmillan: N. Y., 1896.

An exhaustive and scholarly treatment of the subject. Contains a very full bibliography.

Colvin, Sidney. Children in Italian and English design. pp. 60. Seeley: London, 1872.

Compayré, Gabriel. The intellectual and moral development of the child. Translated by Mary E. Wilson. pp. 298. Appleton: N. Y., 1896.

Crafts, W. F. Childhood: the text-book of the age. pp. xii + 259. Lee: Boston, 1875.

"A collection of fragmentary observations collected largely in Sunday schools."—Earl Barnes.

Dix, Tandy L. The healthy infant: a treatise on the healthy procreation of the human race. pp. 134. Thompson: Cincinnati, 1880.

Donné, Alfred. Mothers and infants, nurses and nursing. pp. 303. Phillips: Boston, 1859.

Du Bois, Patterson. Beckonings of little hands: eight studies in child life. pp. 166. Wattles: Phila., 1895.

Dupanloup, Felix Antoine Philibert. The child. Translated by Kate Anderson. pp. 294. Donahoe: Boston, 1875.

"Written by the learned Father Dupanloup in the early part of this century, the book is interesting in that it gives a point of view different from that generally taken to-day."—Earl Barnes.

Fawkes, F. A. Babies. pp. 74. London [1883].

Field, Mrs. E. M. The child and his book: history and progress of children's literature in England. Gardiner: London, 1892.

"A careful, exhaustive study on the development of children's books."—Earl Barnes.

Fonssagrives, J. B. The mother's register: current notes of the health of children. Putnam: N. Y., 1873.

Suggestions to mothers for the methodical observation of their children, with a series of illustrative charts.

Ford, Robert. Ballads of bairnhood. pp. 348. London, 1894.

Gardner, Augustus Kinsley. Our children: their physical and mental development. pp. 340. Carleton: N. Y., 1876.

Galton, Francis. Life history album. Macmillan: London, 1884.

"The best record book so far prepared."—Earl Barnes.

Gordy, J. P., and **Burnham, W. H.** Apprenticeship and study of children. Boston, 1893.

Gomme, Alice Bertha. The traditional games of England, Scotland, and Ireland, with tunes, singing rhymes and methods of playing. pp. 433. Nutt: London, 1894.

"This volume carries the collection to N, and is the first worthy beginning of those great classified collections of children's activities which must be formed as a basis for intelligent study."—Earl Barnes.

Grinnell, Elizabeth. How John and I brought up the child. pp. 233. Phila., 1891.

Hall, G. Stanley. Contents of children's minds. pp. 56. Kellogg: N. Y., 1893.

"A study which has awakened a great deal of thought and led to many changes in the subject-matter of primary education."—Earl Barnes.

Haskell, Ellen M. Imitation in children. pp. 18. [Worcester, Mass., 1895.]

Hoffman, Heinrich. The English Struwwelpeter. pp. 24. Farran: London [1894].

"A collection of stories and pictures developed by a German doctor as the result of careful studies on children's interests."—Earl Barnes.

Hogg, C. On the management of infancy. London, 1849.

Hope, Ascott R. A book about boys. pp. 252. Virtue: N. Y., n. d.

Hurll, Estelle M. Child life in art. pp. xii + 176. Knight: Boston, 1885.

Infancy, childhood, and school life. [Transactions of the 7th international congress of hygiene and demography.] pp. 273. Eyre: London, 1892.

Contains a number of papers bearing on the experimental study of children.

Kaplan, A. O. The baby's biography [an album in which may be recorded the chief events of the baby's life]. pp. 72. Brentano: N. Y., 1895.

Keating, J. M. Maternity, infancy, childhood. Lippincott: Phila., 1887.

Letherbrow, T. W. Brooke's pencil pictures of child life. pp. 67. Manchester, 1889.

Loti, Pierre. The romance of a child. pp. 179. Rand: Chicago, 1891.

"A very suggestive reminiscent study on childhood."—Earl Barnes.

Meyer, Bertha. The child physically and mentally. Translated by Friederike Salomon. pp. 155. Holbrook: N. Y. [1893].

Moore, Kathleen Carter. The development of a child. pp. 150. Macmillan: N. Y., 1896.

A mother's study of her own child. A pains-taking piece of work.

Moore, W. On some of the more prominent causes of excessive mortality in early life. Dublin, 1861.

Mother's record of the physical, mental, and moral growth of her child for the first fifteen years. By a mother. pp. 68. Lothrop: Boston [1882].

A suggestive record book for the use of mothers.

Newell, William Wells. Games and songs of American children. pp. xii + 242. Harper: N. Y., 1884.

"A collection of 160 games with an attempt at classification and historical interpretation."—Earl Barnes.

O'Neill, H. C. New life: a book for young mothers. pp. 206. London, 1890.

Paul, H. The clever things said by children. London, 1882.

Ouroussov, Mary. Education from the cradle. Translated by Mrs. E. Fielding. pp. 168. Bell: London, 1890.

A sensible treatment of the question of early childhood for young mothers.

Perez, Bernard. The first three years of childhood. Edited and translated by Alice M. Christie. pp. 292. Kellogg: N. Y., 1888.

"A helpful collection of rather disconnected notes, classified and presented with some generalization."—Earl Barnes.

Porter, W. T. The physical basis of precocity and dullness. pp. 20. Academy of Science of St. Louis, 1893.

A study based on the measurement of some thousands of children.

Preyer, W. Mental development in the child. Translated from the German by H. W. Brown. pp. 170. Appleton: N. Y., 1893.

Preyer, W. The mind of the child: Part I, the senses and the will; Part II, the development of the intellect. Translated by H. W. Brown. 2 vols. pp. 346, 317. Appleton: N. Y., 1889.

"Among all the nearly fourscore studies of young children, printed by careful, empirical, and often thoroughly scientific observers, this work of Preyer is the fullest, and on the whole the best."—G. Stanley Hall.

Rand, Katherine E. The childhood of an affinity. pp. 303. Arena Pub. Co.: Boston, 1893.

"A retrospective study on early sex attraction."—Earl Barnes.

Russell, E. Harlow. Exceptional children in school. pp. 12. [New York, 1893.]

Russell, E. Harlow. Child observations. pp. 267. Heath: Boston, 1896.

Scovil, Elizabeth Robinson. The care of children. pp. 348. Altemus: Phila., 1895.

Scripture, E. W., editor. Studies from the Yale psychological laboratory. 3 Nos. Others in preparation. New Haven, 1893 to date.

Vol. I contains an investigation on the muscular sensitiveness of school children and some experiments in the drawing of a straight line by children. Vol. II contains an extensive research on the physical and mental development of school children; studies on the education of muscular control and power; and on mental ability exhibited in fencing. Vol. III. contains a study on fatigue.

Scudder, Horace E. Childhood in literature and in art, with some observations on literature for children. pp. 253. Houghton: Boston, 1894.

"A literary treatment of child nature. It gives us new points of view."—Earl Barnes.

Shearer, D. Juvenile wit and humor. pp. 128. Edinburgh, 1881.

Shinn, Milicent Washburn. Notes on the development of a child. [University of California studies.] pp. 178. Berkeley, 1893.

"Covers the first three years of a little girl's life. The best collection of classified notes on a single child so far made in our country."—Earl Barnes.

Smith, George. Gipsy life: our gipsies and their children. pp. x + 296. Houghton: London, 1880.

Stephens, Frederick G. English children as painted by Sir Joshua Reynolds. pp. 72. Seeley: London, 1867.

Illustrated with fifteen photographs of children painted by Reynolds.

Struve, Christian Augustus, and Willich, A. F. M. A familiar treatise on the physical education of children during the early period of their lives. pp. 449. Murray: London.

Sully, James. Studies in childhood. pp. 527. Appleton: N. Y., 1896.

"Diffuse but suggestive."—Earl Barnes.

Talbot, Emily, editor. Papers on infant development. Boston, 1882.

Tiedemann, D. Record of infant life. pp. 46. Bardeen: Syracuse, 1890.

"A fragment of a study made a hundred years ago. Valuable historically."—Earl Barnes.

Tolstoi, Lyoff N. Childhood, boyhood, youth. pp. 244. Crowell: N. Y. [1886].

"A searching and helpful reminiscent study on boyhood."—Earl Barnes.

Tracy, Frederick. The psychology of childhood. pp. 170. Heath: Boston, 1895.

"A good, brief summary, with special attention given to language development."—Earl Barnes.

Tracy, Stephen. The mother and her offspring. pp. 453. Harper: N. Y., 1870.

Trumbull, H. Clay. Hints on child training. Wattles: Phila., 1891.

Uffelmann, Julius. Manual of the domestic hygiene of the child. Translated by Harriet Ransom Milinowski. Edited by Mary Putnam Jacobi. pp. 229. Putnam: N. Y., 1891.

A suitable book for educated mothers. Contains a chapter on the examination of the child.

Van Liew, C. C., editor. Transactions of the Illinois society for child study. 4 nos. Normal, Ill.

"No. 4 contains the best summary of the results of child study so far published."—Earl Barnes.

Warner, Francis. The children: how to study them. pp. 80. Hodgson: London, 1887.

Mainly devoted to physical conditions.

Warner, Francis. Growth and means of training the mental faculty. pp. 222. Macmillan: N. Y., 1890.

Warren, Mrs. How I managed my children from infancy to marriage. pp. 125. Loring: Boston, 1866.

A woman of keen observation tells how she brought up eight children.

West, Mary Allen. Childhood: its care and culture. pp. 772. King: Chicago, 1889.

Whitmore, W. H. The original Mother Goose's melody [with notes]. Farran: London, 1892.

"An exhaustive historical and comparative study on this famous classic."—Earl Barnes.

Whittier, John Greenleaf. Child life in prose. pp. 301. Houghton: Boston [1889].

Wiggin, Kate Douglas. Children's rights: a book of nursery logic. pp. 235. Houghton: Boston, 1892.

"A very readable collection of essays, literary rather than scientific."—Earl Barnes.

Wiltse, Sara E. A preliminary sketch of the history of child study in America. pp. 24. [Worcester, Mass., 1895.]

Wiltse, Sara E. The place of the story in early education and other essays. pp. 132. Ginn: Boston, 1892.

"A collection of sympathetic studies on songs and games, children's habits, etc., made by an intelligent interpreter of children's activities."—Earl Barnes.

Winship, Albert E., Monroe, Will S., and **Stowell, Agnes.** Child study. pp. 31. New Eng. Pub. Co.: Boston, 1897.

Wolfe, H. K. The color vocabulary in children. pp. 30. Lincoln, Neb.

"A study on the ability of public school children to name colors correctly when tablets were placed before them."—Earl Barnes.

XIV. MORAL EDUCATION.

a. Religious Instruction.

1. Principles and Methods.

Alden, Joseph. Text-book of ethics for schools and Bible classes. Barnes: N. Y., 1869.

Arnold, Matthew. The great prophecy of Israel's restoration. Arranged and edited for young learners. pp. xxxvi + 65. Macmillan: London, 1875.

Babington, Thomas. Christian education. Hatchard: London, 1841.

Babington, Thomas. A practical view of Christian education in its earliest stages. pp. 188. Cummings: Boston, 1819.

Behrends, A. J. F. What place, if any, is religion entitled to in public education? Boston, 1882.

Chase, P. E. Denominational education in the Society of Friends. pp. 41. [Jones: Boston, 1877.]

Cotton, G. E. L. Prayers for public schools. Longmans: London, 1854.

Dewey, Julia M. How to teach manners in the schoolroom. pp. 104. Kellogg: N. Y., 1894.

Doddridge, Philip. Sermons on the religious education of children. pp. 95. Hall: Boston, 1794.

Durrell, Fletcher. A new life in education. pp. 288. Am. S. S. Union: Phila., 1894.

Dwight, Benjamin W. Higher Christian education. Barnes: N. Y., 1859.

Eliot, William G. Early religious education. pp. 128. Crosby: Boston, 1855.

Fry, Caroline. Scripture principles of education. pp. 160. Pechin: Phila., 1836.

Gill, J. Art of religious instruction. pp. 352. London, 1887.

Gregory, D. S. Christian ethics: or the true moral manhood and life of duty. pp. 352. Eldredge: Phila., 1885.

Haskins, D. G. The Bible abridged for families and schools. pp. 415. Heath: Boston.

Jenkins, T. J. Should Christianity leaven education? pp. 178. London, 1890.

Layard, E. B. Religion in boyhood: or hints on the religious training of boys. pp. 79. Methuen: London, 1894.

Manning, H. E. Office of the church in higher education. pp. 22. London, 1885.

Peabody, Elizabeth P. Record of Mr. Alcott's school, embodying the principles and methods of moral culture. pp. 297. Roberts: Boston, 1874.

Pray, Lewis G. The history of Sunday schools and of religious education. pp. 262. Crosby: Boston, 1847.

Schouppe, F. X. Abridged course of religious instruction, apologetic, dogmatic, and moral: for use of Catholic schools and colleges. pp. 405. Burnes: London, 1889.

Spalding, J. L. Education and the higher life. pp. 210. McClurg: Chicago, 1890.

Spring, Gardiner. Hints to parents on the religious education of children. pp. 130. Taylor: N. Y., 1835.

Trimmer, Sarah. An essay on Christian education. pp. 339. Rivington: London, 1812.

Van Rensselaer, Cortlandt. Religious instrnction in colleges. pp. 24. Phila., 1853.

Waterson, Robert C. Thoughts on moral and spiritual culture. pp. 302. Crosby: Boston, 1844.

Webb, A. R. A guide to Namaz: a detailed exposition of the Moslem order of ablutions and prayer, with a review of the five pillars of practice. pp. 27. Moslem Pub. Co.: Ulster Park, N. Y.

Wilderspin, S., and **Terrington, T. J.** A manual for the religious and moral instruction of young children in the nursery and infant school. pp. 112. Hamilton: London, 1845.

Wordsworth, Christopher. Discourses on public education. pp. 383. Rivington: London, 1844.

Treats almost entirely on religious education and maintains that the schools should be under the control of the church.

Wylde, J. Religious training of children. pp. 80. London, 1881.

2. Bible in the Schools.

Beecher, Henry Ward, and others. The Bible in the public schools. pp. 214. Schermerhorn: N. Y., 1870.

Bernays, L. J. Church in the schoolroom. Low: London, 1851.

Bland, J. P., and **O'Brien, John.** The public school question: Roman Catholicism and Americanism. pp. 29. Cambridge, Mass., 1880.

Brandon, J. R. A reply to Mr. Hemphill's discourse on Our public schools—shall the Lord's prayer be recited in them? pp. 20. Weiss: San Francisco, 1875.

Bruce, R. Education free from creeds. pp. 56. London, 1888.

Bushnell, Horace. Common schools: a discourse on the modifications demanded by the Roman Catholics. pp. 24. Hartford, 1853.

Cheever, George B. Right of the Bible in our public schools. pp. 303. Carter: N. Y., 1854.

Clark, R. W. The question of the hour: the Bible and the school fund. pp. 127. Lee: Boston, 1870.

Cudworth, W. D. The Bible in our public schools: has it any right there? pp. 22. Mudge: Boston, 1870.

Dana, Richard Henry. The Bible in schools. pp. 59. Boston [1855].

Dorchester, Daniel. Romanism versus the public school system. Philips: N. Y., 1888.

Durant, H. F. The Bible and our school system. pp. 29. Swett: Boston, 1859.

Durant, H. F. Defense of the use of the Bible in the public schools. pp. 43. Ticknor: Boston, 1859.

Gunn, G. W. Religion in a national system of education. Oliver: Edinburgh, 1846.

Hurlbut, E. R. A secular view of religion in the state and the Bible in the public schools. pp. 55. Munsell: Albany, 1870.

McQuaid, B. J., and **Abbot, F. E.** The public school question: two lectures. Boston, 1876.

Matthew, Stanley. The relation of the state to religious education. pp. 87. Clarke: Cincinnati, 1870.

Mayo, A. D. Religion in the common schools. pp. 51. Clarke: Cincinnati, 1869.

Mayo, A. D., and **Vickers, Thomas.** The Bible in the public schools. pp. 223. Schermerhorn: N. Y., 1870.

Mead, Edwin D. The Roman Catholic church and the public schools. pp. 92. Boston, 1890.

Minor, John D., and others. Arguments against the use of the Bible in the public schools. pp. 177. Clarke: Cincinnati, 1870.

Minor, John D., and others. The Bible in the public schools. pp. 420. Clarke: Cincinnati, 1870.

Contains the opinions and decisions of the superior court of Cincinnati, with the arguments of George Hoadley, Rufus King, Stanley Matthews, George R. Sage, William M. Ramsey, and J. B. Stallo.

Moxom, Philip S. American common schools vs. sectarian parochial schools. pp. 32. Boston [1889].

Putnam, A. P. Christianity the law of the land. pp. 39. Brooklyn, 1876.

Smith, Matthew H. The Bible, the rod, and religion in the common schools pp. 59. Redding: Boston, 1847.

Stallo, J. B. The secularization of public instruction. pp. 51. Clarke: Cincinnati, 1870.

Stallo, J. B. State creeds and their modern apostles. pp. 37. Clarke: Cincinnati, 1872.

The Bible in the public schools. pp. 39. Cincinnati, 1869.

Contains a sketch of the anti-Bible movement.

Twistleton, E. T. B. Evidence as to the religious working of the common schools in Massachusetts. pp. 98. Ridgway: London, 1894.

3. Sunday Schools.

Alexander, Archibald. Suggestions in vindication of Sunday schools, but more especially for the improvement of Sunday-school books. pp. 42. Phila., 1845.

Augustine, Michael. Sunday-school manual: pictorial prayer hook, with hymns specially prepared for scholars in Catholic schools. pp. 175. Catholic Pub. Co.: N. Y., 1893.

Beard, Fredrika. Kindergarten Sunday school. pp. 140. Kindergarten Literature Co.: Chicago, 1895.

Beard, Fredrika. The blackboard in the Sunday school: a practical guide. Haney: N. Y., 1877.

Belcher, Joseph. Robert Raikes: his Sunday schools and his friends. pp. 311. Phila. [1859].

Boynton, George M. The model Sunday school. pp. 175. Boston [1882].

Bullard, Asa. Fifty years with the Sabbath schools. pp. 336. Lockwood: Boston, 1876.

Candler, W. A. The history of Sunday schools. pp. 149. Phillips: N. Y., 1880.

Channing, W. E. The Sunday school. pp. 34. Munroe: Boston [1838].

Crafts, W. F. Plain uses of the blackboard and the slate. pp. 345. Ward: N. Y., 1881.

Davis, A. J. The child's progressive lyceum: a manual for Sunday schools. pp. 316. Colby: Boston, 1893.

Douglas, G. W. Hints to Sunday-school teachers. pp. 64. Young: N. Y., 1885.

Dunning, A. E. Bible studies for normal classes, Bible students, and Sunday-school teachers. pp. 102. Boston, 1886.

Dunning, A. E. The Sunday-school library. Pub. Weekly: N. Y., 1884.

Ellis, A. C. Sunday-school work. Worcester, Mass, 1896.

Foster, Mary J. C. The kindergarten of the church. pp. 227. Hunt: N. Y., 1894.

Gilbert, Simeon. The lesson system: the story of its origin and inauguration. pp. 96. Phillips: N. Y., 1879.

Gray, James C. The Sunday-school world: encyclopædia of facts and principles. Stock: London, 1871.

Greenwood, Charles. The child and the man: or the children, the Sabbath school, and the world. pp. 423. Boston, 1855.

Greenwood, Thomas. Sunday-school and village libraries. pp. 95. Clarke: London, 1892.

Gregory, Alfred. Robert Raikes, journalist and philanthropist: a history of the origin of Sunday schools. pp. 209. Hodder: London, 1877.

Gregory, John M. The seven laws of teaching. pp. 144. Cong. Pub. Society: Boston [1886].

Huntington, F. D. The relation of the Sunday school to the church. pp. 42. Boston [1860].

Hurlbut, J. L. Seven graded Sunday schools. pp. 120. Hurst: N. Y., 1893.

Marsh, W. H. H. The modern Sunday school. pp. 252. Phila. [1874].

Mumford, Elizabeth, C. Childhood's morning: for kindergarten use in Sunday school and home. pp. 60. Boston, 1895.

Packard, F. D. The great aim of the Sunday-school teacher. pp. 127. Phila. [1843].

Pray, Lewis H. The history of Sunday schools and of religious education. pp. 262. Crosby: Boston, 1847.

"A thesaurus of facts and suggestions."—A. E. Dunning.

Robinson, C. S. Short studies for Sunday-school teachers. pp. 247. Wynkoop: N. Y., 1868.

Steel, Robert. The Christian teacher in Sunday schools. Nelson: London, 1867.

Tead, Louise O. The Sunday-school primary teacher's manual. pp. 82. Boston, 1890.

Terrill, J. C. Talks to Sunday-school teachers. Hall: Syracuse, 1891.

Todd, John. The Sabbath-school teacher. pp. 432. Butler: Northampton, Mass., 1837.

Trumbull, H. Clay. The model superintendent. pp. 188. Harper: N. Y., 1880.

Trumbull, H. Clay. Teaching and teachers: or the Sunday-school teacher's teaching work and the other work of the Sunday-school teacher. pp. 390. Wattles: Phila., 1884.

Trumbull, H. Clay. The Sunday school. [Origin, mission, methods.] pp. 415. Wattles: Phila., 1888.

Series of lectures given at Yale university.

Tyng, S. H. Forty years' experience in Sunday schools. pp. 251. Sheldon: N. Y., 1860.

Vincent, J. H. A study in pedagogy. pp. 73. Ketchem: N. Y. [1890].

Vincent, J. H. Sunday-school institutes and normal classes. N. Y., 1872.

Vincent, J. H. The American Sunday school. Am. Sun. Sch. Un.: N. Y., 1887.

Vincent, J. H. The church school and its officers. N. Y., 1872.

Vincent, J. H. The modern Sunday school. pp. 344. Hunt: N. Y., 1887.

Winkley, S. H. Sunday-school teaching. pp. 22. [Boston, 1886.]

Winship, Albert E. Methods and principles in Bible study and Sunday-school teaching. pp. 227. Wilde: Boston, 1885.

Wood, Samuel. Addresses for Sunday schools. pp. 152. Greene: Boston, 1832.

b. Ethics.

Abbott, Jacob. Gentle manners in the management and training of children. pp. 330. N. Y., n. d.

Abbott, Jacob. The teacher. pp. 285. Peirce: Boston, 1838.

Adler, Felix. The moral instruction of children. pp. 270. Appleton: N. Y., 1892.

Arnold, Thomas. Rugby sermons. pp. 284. Appleton: 1846.

Balch, G. T. Methods of teaching patriotism in the public schools. pp. 109. Van Nostrand: N. Y., 1890.

Bain, Alexander. Moral science: a compendium of ethics. pp. 337. Appleton: N. Y., 1886.

Beecher, Catherine E. Common sense applied to religion. pp. 358. Harper: N. Y., 1857.

Bierbower, Austin. The virtues and their reason: a system of ethics for society and schools. pp. 294. Chicago, 1888.

Bikkers, A. V. W. Ethics for undenominational schools. Grant: London, 1872.

Blackie, John S. Essay on subjects of moral and social interest. pp. 304. Douglas: Edinburgh, 1880.

Blackwell, Elizabeth. Moral education of children in relation to sex. London, 1879.

Bosanquet, Bernard. The civilization of Christendom and other studies. pp. 383. Sonnenschein: London, 1893.

Brooks, Phillips. Tolerance. pp. 111. N. Y., 1887.

Bryant, Sophie. Short studies in character. Macmillan: N. Y., 1894.

Buchanan, J. R. Moral education: its laws and methods. pp. 395. N. Y., 1882.

Bushnell, Horace. Views of Christian nurture. pp. 250. Hunt: Hartford, 1848.

Comegys, B. B. A primer of ethics. pp. 127. Ginn: Boston, 1891.

De Garmo, Charles. Ethical training in public schools. Am. Acad. of Pol. and Soc. Science: Phila.

Dewey, Julia M. How to teach manners in the schoolroom. pp. 104. Kellogg: N. Y., 1888.

Everett, C. C. Ethics for young folks. pp. 185. Ginn: Boston, 1891.

Fowler, Thomas. Progressive morality: an essay in ethics. pp. 201. Macmillan: London, 1884.

Fricke, W. Ethics for undenominational schools. Grant: London, 1872.

Gallwey, Peter. Practical notes on moral training. Burns: London, 1887.

Gilman, N. P., and **Jackson, E. P.** Laws of daily conduct *and* character building. Houghton: Boston, 1892.

Prize essays offered by the American secular union for the best manuals to aid teachers in moral instruction in the public schools.

Gow, Alex. M. Good morals and gentle manners: for schools and families. pp. 252. Wilson: Cincinnati, 1873.

Grote, John. A treatise on moral ideals. Edited by J. B. Mayor. Bell: London, 1876.

Hack, F. W. Notes of lessons on kindness to animals. Dawson: London, 1893.

Harris, William T. Moral education in the public schools. Steiger: N. Y., 1871.

Reprint from St. Louis School Report of 1870–'71.

Herford, William H. The school: essays toward humane education. Isbister: London, 1889.

Hopkins, J. E. On the early training of boys and girls. pp. 62. Hatchards: London, 1886.

Hopkins, Mark. The law of love and love as a law. pp. 342. Scribner: N. Y., 1869.

Joceline, Elizabeth. A mother's legacy to her unborn child. Macmillan: London, 1894.

"Written in 1622 by a mother for a child whose birth caused her own death, and first published in 1624. Full of earnest piety, and quiet womanly counsel and common sense."—Sonnenschein.

Lessing, G. E. Education of the human race. Translated by F. W. Robertson. Paul: London, 1883.

Lilly, W. S. On right and wrong. pp. 284. Chapman: London, 1890.

Lunt, W. P. Moral education. pp. 26. Green: Quincy, 1838.

Maccunn, John. Ethics of citizenship. pp. 223. Maclehose: Glasgow, 1894.

Malleson, Mrs. Frank. Notes on the early training of children. pp. 126. Heath: Boston, 1887.

McCosh, James. Our moral nature: a brief system of ethics. Scribner: N. Y., 1892.

Muzzey, A. B. The moral teacher. pp. 196. Robinson: N. Y., 1839.

Prescott, P. Moral education. pp. 234. London, 1883.

Ronneger. On certain moral and æsthetic deficiencies in the education of the present day. London, 1874.

Seeley, J. H. Duty: a book for schools. pp. 71. Ginn: Boston, 1891.

Sidgwick, Henry. Outlines of the history of ethics. Macmillan: London, 1888.

Smith, Adam. The theory of moral sentiments. pp. 538. London, 1887.

Smith, I. G. The ethics of Aristotle. pp. 101. London, 1886.

Spencer, Herbert. The data of ethics. pp. 288. Appleton: N. Y., 1879.

Thayler, John J. On the moral education of the people. pp. 34. Hunter: London, 1833.

Wayland, Francis. The elements of moral science. pp. 396. Gould: Boston, 1860.

Wedgewood, Julia. The moral idea: an historic study. Trübner: London, 1889.

Contents: India; Persia; Greece; Rome; Jew at Alexandria; problems of evil; heritage of to-day.

Wells, Kate Gannett. Lessons in ethics: rights and duties. pp. 48. Boston, 1882.

Wiggin, Edith E. Lessons on manners. pp. 84. Lee: Boston, 1895.

Wilson, J. M. Morality in the public schools and its relation to education. pp. 38. London, 1882.

c. Æsthetics.

Begg, W. P. The development of taste, and other studies in æsthetics. Glasgow, 1887.

"Excellent in spirit and generally in method."—Fred N. Scott.

Bénard, Charles. Analytical and critical essay on Hegel's æsthetics. Translated by J. A. Marthing. Vols. i, ii, iii, Jour. Spec. Philos.

"Contains complete outline of the greatest of all works on the philosophy of art."—W. T. Harris,

Bosanquet, Bernard. The history of æsthetics. pp. 502. Sonnenschein: London, 1892.

Brown, G. Baldwin. The fine arts. pp. 321. Scribner: N. Y., 1895.

"Clear, simple, and extremely interesting. One of the best introductions to the study of art."—Fred N. Scott.

Child, Theodore. The desire of beauty. pp. 178. Harper: N. Y., 1892.

Collingwood, W. G. The art teaching of John Ruskin. Percival: London, 1891.

Crane, Lucy. Art and the formation of taste. pp. 292. Macmillan: London, 1882.

"A useful primer of art."—Fred N. Scott.

Emerson, R. W. Culture, behavior, beauty. Osgood: Boston, 1875.

Everett, C. C. Poetry, comedy, and duty. pp. 315. Houghton: Boston, 1888.

Gayley, Charles M., and **Scott, Fred N.** A guide to the literature of æsthetics. pp. 116. [University of California bulletin.] Berkeley, 1890.

An excellent bibliography.

Hanslick, Eduard. The beautiful in music: a contribution to the revival of musical æsthetics. pp. 174. Novello: London, 1891.

Hegel, G. W. F. The introduction to Hegel's philosophy of fine art. Translated from the German with notes and prefatory essay by Bernard Bosanquet. pp. xxxiii + 175. Paul: London, 1886.

Hegel's Æsthetics, part ii, on symbolic, classic and romantic art. Translated by William M. Bryant. Jour. Spec. Philosophy, vols. vi, xi, xii, xiii.

Jolly, William, editor. Ruskin on education. pp. 167. Allen: London, 1894.

Gives Ruskin's views on the training of taste in the schools, means of æsthetic cultivation, moral effects of æsthetic culture, and moral education.

Knight, William. The philosophy of the beautiful. 2 vols. pp. 288, 281. Scribner: N. Y., 1893.

Marshall, H. R. Pain, pleasure, and æsthetics. N. Y., 1894.

"A highly original treatment by a practical architect."—Fred N. Scott.

Marshall, H. R. Æsthetic principles. Macmillan: N. Y., 1895.

"A restatement in simple form of his pain, pleasure, and æsthetics."—Fred N. Scott.

Raymond, George L. Art in theory: an introduction to the study of comparative æsthetics. pp. 266. Putnam: N. Y., 1894.

Scott, Fred N. Æsthetics: its problems and literature. pp. vii + 32. Inland Press: Ann Arbor, 1890.

Sharp, F. C. The æsthetic element in morality. Macmillan: N. Y., 1893.

Sully, James. Sensation and intuition: studies in psychology and æsthetics. Paul: London, 1874.

Taine, Henri. Philosophy of art. Ballière: London, 1865.

XV. PHYSICAL EDUCATION AND SCHOOL HYGIENE.

a. Gymnastics.

1. General Principles.

Allen, Nathan. Physical development; or laws governing the human system. pp. 348. Lee: Boston, 1888.

Barrows, Isabel, editor. Physical training. pp. 135. Ellis: Boston, 1890.

Contents: Nature of physical training and best means of securing its ends; the German system of gymnastics; the place of physical training in a rational education; chief characteristics of the Swedish system of gymnastics; some principles regarded as essential in the direction of the department of physical education and hygiene; system of physical training at the Hemenway gymnasium; the pedagogic value of physical training.

Blackwell, Elizabeth. The laws of life: with special reference to the physical education of girls. pp. 180. Putnam: N. Y., 1852.

Caldwell, C. Thoughts on physical education. Black: London, 1836.

Chesterton, T. The theory of physical education in elementary schools. Gale: London, 1895.

Dukes, Clement. Claims and limitations of physical education. Lawrence: Rugby, Eng.

Gulick, Luther G., editor. Physical education. Published monthly. Triangle Pub. Co.: Springfield, Mass., 1893 to date.

Hartwell, E. M. On the physiology of exercise. pp. 32. Cupples: Boston, 1887.

Hartwell, E. M. Physical training in American colleges and universities. pp. 183. Bu. of Ed.: Wash., 1886.

Hartwell, E. M. The principal types of physical training compared. pp. 29. Damrell: Boston, 1892.

Hartwell, E. M. Physical training treated from American and European points of view. pp. 18. Ellis: Boston, 1890.

Hartwell, E. M. Report of the director of physical training. [With a history of the movement in Boston.] pp. 75. Boston, 1891.

Hartwell, E M. The condition and prospects of physical education in the United States. pp. 29. [Phila., 1892.]

Hitchcock, Edward. The average man as a rational basis for physical education. Springfield, Mass. [1888].

Johnson, G. E. Education by plays and games. pp. 37. [Worcester, Mass., 1894.]

Jolly, W. Physical education for common schools. Laurie: London.

Koch, C. F., and others. Essays concerning the German system of gymnastics. Freidenker Pub. Co.: Milwaukee, Wis., n. d.

A series of nine papers.

Kroh, Karl, and others, editors. Hand and body: a monthly journal devoted to physical education. Freidenker Pub. Co.: Milwaukee, Wis., 1894 to date.

Legrange, Ferdinand. Physiology of bodily exercises. pp. 395. Appleton: N. Y., 1890.

Löfving, C. On physical education and its place in a rational system of education. pp. 67. Sonnenschein: London, 1882.

MacAlister, James. Physical education. Phila., 1886.

MacLaren, Archibald. A system of physical education, theoretical and practical. pp. 516. Clarendon Press: Oxford, 1869.

"Contains the best discussion of physical education which has yet been written."—James MacAlister.

Newcomb, Lydia J. Muscular exercises for health and grace. pp. 95. Werner: N. Y., 1893.

Oswald, Felix L. Physical education: or the health laws of nature. pp. 257. Appleton: N. Y., 1883.

Roberts, C., editor. Papers on physical education. pp. 148. Bell: London, 1891.

Roth, Mathias. On neglect of physical education and hygiene. pp. 86. Ballière: London, 1889.

Roth, Mathias. The treatment of writer's cramp. pp. 20. Ballière: London, 1885.

Strachan, John. What is play? Its bearing upon education and training. pp. 108. Douglas: Edinburgh, 1877.

A concise statement of the educational value of play.

Treves, F. Physical education. pp. 75. Churchill: London, 1892.

Warner, Francis. Physical expression: its modes and principles. pp. 372. Appleton: N. Y., 1886.

Wey, H. D. Physical and industrial training of criminals. pp. 48. Indus. Ed. As.: N. Y., 1888.

Wilson, Daniel. Left-handedness. pp. 213. Macmillan: N. Y., 1891.

2. The Swedish System.

Broman, Allan. School gymnastics on the Swedish system. Bale: London, 1895.

Enebuske, Claës J. Observations on the results of the pedagogical gymnastics of the Ling system. pp. 20. Ellis: Boston, 1893.

Enebuske, Claës J. Progressive gymnastic day's orders, according to the principles of the Ling system. pp. 84. Ellis: Boston, 1890.

Georgii, Augustus. Kinetic jottings. pp. 267. Renshaw: London, 1880.

Hartelius, T. J. Home gymnastics. Translated by C. Löfving. pp. 94. Isbister: London [1881].

Ling, P. H. Swedish gymnastics for schools. Hachette: London, 1885.

Mélio, G. L. Manual of Swedish drill. Low: London, 1889.

Nissen, Hartvig. A B C of the Swedish system of educational gymnastics. pp. 107. Ed. Pub. Co.: Boston, 1892.

Posse, Nils. The Swedish system of educational gymnastics. pp. 276. Lee: Boston, 1890.

Posse, Nils. Handbook of school gymnastics. Lee: Boston, 1892.

Posse, Nils. The special kinesiology of educational gymnastics. pp. 380. Lee: Boston, 1894.

Posse, Nils. How gymnastics are taught in Sweden. pp. 32. Marvin: Boston, 1891.

Roth, Mathias. Gymnastic exercises on apparatus, according to the rational system of Ling. Ballière: London.

Zander, Gustaf. The apparatus for medico-mechanical gymnastics and their use. pp. 125. Stockholm, 1894.

3. Other Systems.

Alexander, A. Healthful exercises for girls. Philip: London, 1887.

Alexander, A. Modern gymnastic exercises. Philip: London, 1890.

Alexander, A. Physical drill of all nations. Philip: London, 1893.

Anderson, W. G. Light gymnastics: a guide to systematic instruction in physical training. pp. 234. Maynard: N. Y., 1889.

Angerstein, E., and Eckler, G., editors. Home gymnastics for the sick and well. pp. 94. Houghton: Boston, 1889.

Ballin, Hans. Gymnastics in the schoolroom. pp. 172. Erie, Pa., 1891.

Bornstein, M. Manual of instruction in the use of dumb-bells, Indian clubs, and other exercises. pp. 128. N. Y. [1889].

Barlow, E. H. Manual of gymnastic exercises arranged on hygienic principles and adapted to music. pp. 64. M'Cloud: Amherst, 1895.

Betz, Carl. A system of physical culture. 4 books. Flanagan: Chicago, 1894.

Bissell, Mary T. Physical development and exercises for women. pp. 108. Dodd: N. Y., 1891.

Blakie, William. How to get strong and how to keep so. pp. 296. Harper: N. Y., 1879.

Blakie, William. Strong bodies for our boys and girls. Harper: N. Y.

Butler, D. P. System of physical training. pp. 104. Boston, 1868.

Checkley, Edwin. A natural system of physical training. pp. 152. Putnam: N. Y., 1890.

Guttmann, Oskar. Æsthetic physical culture. pp. 213. Werner: Albany, 1884.

Harvey, F. G. The teacher's manual of physical exercises. pp. 166. Longmans: London, 1894.

Hunt, Lucy B. Handbook of light gymnastics. pp. 98. Lee: Boston, 1891.

Jenkin, A. F. Gymnastics. pp. 240. Stokes: N. Y., 1891.

Jenness, Mabel. Comprehensive physical culture. pp. 227. Dillingham: N. Y., 1891.

Jones, A. K. Classified gymnasium exercises. pp. 140. Adams: Springfield, 1892.

Judd, John R. Always strong and happy: a complete system of treatment for the general care of the body. pp. 201. Outing Publ. Co.: N. Y., 1895.

Leibold, Anton. Manual of physical culture. Columbus, O., 1892.

Lemaire, E. F. Indian clubs and how to use them. pp. 202. London, 1889.

Lewis, Dio. New gymnastics for men, women, and children. Ticknor: Boston, 1863.

Lewis, Dio. Weak lungs and how to make them strong. pp. 358. Ticknor: Boston, 1863.

Morris, R. Anna. Physical education in the public schools. Am. Book Co.: N. Y., 1892.

Ravenstein, E. G., and **Hulley, John.** A handbook of gymnastics and athletics. pp. 408. Trübner: London, 1867.

Roth, Mathias. A short sketch of rational medical gymnastics. Ballière: London.

Roth, Mathias. Gymnastic exercises without apparatus. pp. 56. Myers: London, 1887.

Sargent, D. A. The effect of military drill on boys, with hints on exercise. pp. 16. Cupples: Boston, 1886.

Schaible, C. H. The systematic training of the body. Paul: London, 1878.

Schmidt, F. A. Physical exercises and their beneficial influence: a short synopsis of the German system of gymnastics. Translated by A. B. C. Biewend. St. Louis, Mo., 1894.

Schreiber, Moritz. Illustrated medical indoor gymnastics. pp. 95. Williams: London, 1856.

Thornton, J. P. Training for health, strength, speed, and agility. pp. 260. N. Y., 1890.

Warman, E. B. Physical training: or the care of the body. pp. 190. Chicago, 1889.

4. Calisthenics.

Beecher, Catherine E. Calisthenic exercises. pp. 58. Harper: N. Y., 1860.

Laspée, Henry de. Calisthenics: or the elements of hodily culture on Pestalozzian principles. pp. 170. Darton: London [1856].

MacCarthy, S. T. Easy system of calisthenics and drill. pp. 79. Allen: London, 1881.

Magill, Mary T. Pantomimes: or wordless poems for elocution and calisthenic classes. pp. 227. Werner: N. Y., 1895.

Watson, J. M. Handbook of calisthenics and gymnastics. pp. 388. Steiger: N. Y., 1882.

5. Delsarte.

Bishop, Emily M. Self-expression and health: Americanized Delsarte culture. pp. 201. Chautauqua: N. Y., 1895.

Delaumosne, Abbé. The art of oratory: system of Delsarte. Translated by F. A. Shaw. pp. 170. Werner: N. Y., 1882.

Emerson, C. W. Physical culture. pp. 154. Boston [1891].

Favre, Carrica la. Delsartean physical culture. pp. 108. Fowler: N. Y., 1891.

Georgen, Eleanor. The Delsarte system of physical culture. pp. 121. N. Y., 1893.

Morgan, Anna. An hour with Delsarte. pp. 114. Lee: Boston, 1889.

Randall-Diehl, Anna. A practical Delsarte primer. pp. 66. Bardeen: Syracuse, 1890.

Russell, Henrietta. Yawning. [The Delsarte series.] pp. 175. Lovell: N. Y. [1891].

Stebbins, Genevieve. Delsarte system of expression. pp. 271. Werner: N. Y., 1887.

Stebbins, Genevieve. Society gymnastics and voice culture: adapted from the Delsarte system. pp. 108. Werner: N. Y., 1890.

Warman, E. B. Gestures and attitudes: an exposition of the Delsarte philosophy. pp. 422. Lee: Boston, 1892.

6. Athletics.

Aldridge, A. F. Brawn and brain: a collection of papers by champions and experts. pp. 149. Adams Co.: Springfield.

Camp, Walter. American football. pp. 175. Harper: N. Y., 1891.

Camp, Walter. Book of college sports. pp. 328. Century Co.: N. Y., 1895.

Camp, Walter. Football facts and figures. pp. 237. Harper: N. Y., 1894.

Fletcher, G. Management of athletics in public schools. pp. 35. London, 1886.

Hall, C. Modern methods of training. pp. 160. London, 1890.

Hartwell, E. M. Some aspects of athletics and gymnastics at home and abroad. pp. 18. Concord, N. H., 1891.

Hoole, H. Science and art of training. pp. 124. Trübner: London, 1888.

Knauff, T. C. Athletics for physical culture. pp. 722. Tait: N. Y. [1894].

MacLaren, Archibald. A military system of gymnastic exercises, and a system of fencing. pp. 293. Clowes: London, 1868.

O'Reilly, John Boyle. Ethics of boxing and manly sport. pp. 358. Ticknor: Boston, 1888.

Sandow, Eugene. On physical training. Edited by G. M. Adam. pp. 244. Tait: N. Y., 1894.

Sargent, D. A. Handbook of developing exercises. pp. 77. Cambridge, 1889.

Walker, Donald. Manly exercises. Bell: London, 1878.

Warre, E. Athletics or physical exercises and recreation. pp. 94. London, 1884.

Wilkinson, H. F. Modern athletics. pp. 106. Cox: London, 1880.

b. **Anthropometry.**

Abbott, S. W. The evidence of still-birth. pp. 56. Boston, 1879.
Gives the weight and length of infants at birth.

Aitken, William. The growth of the recruit and the young soldier. London, 1862.

Allen, H. An analysis of the life-forms in art. Phila., 1875.

Bertillon, A. Identification of the criminal classes by anthropometrical method. pp. 12. London, 1889.

Bowditch, H. P. Physique of women in Massachusetts. pp. 20. [Boston, 1890.]

Bowditch, H. P. The relation between growth and disease. pp. 9. Phila., 1881.

"Dr. Bowditch's papers are of capital importance by reason of the light they throw on the law of growth and the significance of the physical changes incident to puberty."—E. M. Hartwell.

Fergus, Walter, and **Rodwell, George F.** On a series of measurements for statistical purposes. pp. 10. London, 1874.

Fletcher, Robert. Human proportion in art and anthropometry. pp. 37. King: Cambridge, 1883.

Contains a bibliography of the history of anthropometry.

Galton, Francis. Anthropometric laboratory. pp. 13. Clowes: London, 1884.

Galton, Francis. List of anthropometric apparatus. Cambridge, 1887.

Gould, B. A. Investigations in the military and anthropological statistics of American soldiers. pp. 655. Hurd: N. Y., 1869.

Hartwell, E. M., and others. Papers on anthropometry. pp. 162. Boston, 1894.

Contents: A preliminary report on anthropometry in the United States; remarks on the theory of anthropometry; on the application to individual school children of the mean values derived from anthropological measurement by the generalizing method; anthropometric statistics of Amherst college; an anthropometrical study of the effects of gymnastic training on American women; the growth of St. Louis children; the growth of children.

Hay, David R. On the science of those proportions by which the human head and countenance as represented in works of ancient Greek art are distinguished from those of ordinary nature. pp. 80. Blackwood: Edinburgh, 1849.

Hitchcock, Edward. An anthropometric manual. pp. 37. Amherst, 1889.

Hitchcock, Edward. The results of anthropometry. pp. 7 + 3 tables. Amherst, 1892.

Hitchcock, Edward, and **Seelye, H. H.** Manual of physical measurements for young men. pp. 35. Heath: Boston, 1895.

Müller, G. Alphonse Bertillon's method for the identification of criminals. pp. 84. Joliet, Ill., 1887.

Roberts, Charles. A manual of anthropometry: or a guide to the physical examination and measurements of the human body. pp. xxii, 118 + 54. Churchill: London, 1878.

Contains a very full bibliography.

Sargent, D. A. Anthropometric apparatus, with directions for measuring and testing the principal physical characteristics of the human body. Boston, 1887.

Seaver, J. W. Anthropometry and physical examination. pp. 127. New Haven, 1890.

Somes, H. A. The scientific measurement of children. Gill: London, 1891.

Story, W. W. The proportions of the human figure, according to a new canon, for practical use. London, 1866.

Wake, C. Staniland, editor. Memoirs of the international congress of anthropology. pp. 375. Schulte Pub. Co.: Chicago, 1894.

Contains a paper on the anthropometry of American school children.

Windle, B. C. A. The proportions of the human body. pp. 82. Ballière: London, 1892.

c. School Hygiene.

1. General Principles.

Abel, J. W. School hygiene: including simple directions respecting ventilation, eyesight, infectious diseases, and first aid in injuries. pp. 53. London, 1890.

Acland, H. W. D. Health, work, and play. pp. 51. Parker: Oxford, 1856.

Beaney, J. G. Children: their treatment in health and disease. Melbourne, 1873.

Beddoes, Guy, editor. Health and habit. pp. 347. Sonnenschein: London, 1890.

Bowditch, H. I., and **Pickering, H. G.** Public hygiene in America. pp. 498. Little: Boston, 1877.

Brigham, Amariah. Remarks on the influence of mental cultivation upon health. pp. 116. Huntington: Hartford, 1832.

Budgett, J. B. The hygiene of schools. Lewis: London, 1874.

Burnham, Wm. H. Outlines of school hygiene. pp. 71. Worcester, Mass., 1892.

The best outline of the subject that has been printed in this country. Contains an extended bibliography.

Carpenter, A. The principles and practice of school hygiene. pp. 368. Hughes: London, 1887.

Chadwick, F. E. Temperament, disease, and health. pp. 85. Putnam: N. Y., 1892.

Cornfield, W. H. The laws of health. pp. 153. Longmans: London, 1888.

Dukes, Clement. Health at school: considered in mental, moral, and physical aspects. pp. 324. Cassell: London, 1888.

Dukes, Clement. The essentials of school diet. pp. 187. Percival: London, 1891.

Dukes, Clement. Preservation of health. Cassell: London.

Farquharson, R. School hygiene and the diseases of school life. Smith: London, 1885.

Groff, G. G. School hygiene. pp. 29. Kellogg: N. Y., 1895.

Holbrook, M. L. Hygiene of the brain, with numerous original letters from leading thinkers and writers concerning their physical and intellectual habits. pp. 279. N. Y., 1884.

Hunt, Ezra M. The principles of hygiene for the school and home. Ivison: N. Y., 1887.

Hutchins, Alexander. The physiological reasons why: an essay on school hygiene. pp. 50. Swayne: Brooklyn, 1875.

Jaeger, G. Health culture and the sanitary woolen system. pp. 216. N. Y., 1891.

Kingsley, Charles. Health and education. pp. 411. Appleton: N. Y., 1884.

Liebreich, R. A contribution to school hygiene. Churchill: London, 1873.

Lincoln, D. F. Hygiene of public schools in Massachusetts. pp. 44. Rand: Boston, 1879.

Lincoln, D. F. School and industrial hygiene. pp. 152. Blackiston: Phila., 1880.

Newsholme, Arthur. School hygiene: the laws of health in relation to school life. pp. 150. Heath: Boston, 1895.

Newsholme, Arthur. The elements of vital statistics. pp. 326. London, 1889.

Noyes, T. R. Report on the health of children in the Oneida community. Oneida, N. Y., 1878.

Nuttall, G. H. F. Hygienic measures in relation to infectious diseases. Putnam: N. Y., 1893.

O'Sullivan, Richard, J. School hygiene. pp. 40. Appleton: N. Y., 1874.

Paget, C. E. Healthy schools. pp. 72. London, 1884.

Rankin, F. H. Hygiene of childhood. pp. 150. Appleton: N. Y., 1890.

Ray, I. Mental hygiene. pp. 338. Ticknor: Boston, 1863.

Reade, A. A. Study and stimulants. pp. 233. Manchester, Eng., 1883.

Richards, Ellen H., and **Talbot, Marion.** Food as a factor in student life. pp. 26. Chicago, 1894.

Richardson, B. W. A ministry of health. pp. 354. Appleton: N. Y., 1879.

Richardson, B. W. The common health. pp. 336. Longmans: London, 1887.

Sargent, D. A. In case of accident. pp. 127. Lothrop: Boston [1884].

Turner, T. W. Hints and remedies for the treatment of common accidents and diseases. pp. 202. Macmillan: N. Y., 1882.

Wells, Frank, and others. Six lectures upon school hygiene. pp. 201. Ginn: Boston, 1885.

Contents: School hygiene; heating and ventilation; the use and care of the eyes; epidemics and disinfection; drainage; relations from public schools to the disorders of the nervous system.

2. Eyesight.

Calhoun, A. M. Effects of student life upon the eyesight. pp. 29. Bu. of Ed.: Wash., 1881.

Carter, R. B. Eyesight in schools. Macmillan: London, 1885.

Castle, F. D. Hygiene of the eye, considered with reference to the children in our schools. pp. 12. [Phila., 1875.]

Castle, F. D. Hygiene of the eye, considered with special reference to the children in our schools. Am. Acad. Pol. and Soc. Sci.: Phila.

Cohn, Hermann. The hygiene of the eye in schools. pp. 236. Simpkin: London [1883].

Conklin, W. J. A report upon the sanitary conditions of the schools of Dayton, with special reference to the eyesight of the pupils. Dayton, O., 1880.

Cozzolino, Vincenzo. The hygiene of the ear. Translated by James Erskine. Ballière: London, 1892.

Dennett, W. S. Report of examination of the eyes of the pupils in the schools of Hyde Park. pp. 18. Hyde Park, Mass., 1880.

Derby, Hasket. A report on the percentage of near sight found to exist in the class of 1880 of Harvard college. pp. 9 + plate. Riverside Press: Cambridge, 1877.

Irving, Washington. Rip Van Winkle. pp. 73. N. Y., 1885.

"Printed for hygienic reasons on pale-green paper, in deep-blue ink. The combination of colors has been pronounced by competent authorities the least injurious to the eyesight."—James MacAlister.

Jeffries, B. Joy. Color blindness: its dangers and its detection. pp. 329. Houghton: Boston, 1883.

Loring, E. G. Is the human eye changing under the influence of modern education? pp. 26. N. Y., 1878.

Northrop, B. G. Near-sightedness in schools: its causes, prevalence, and preventives. pp. 18. Tuttle: New Haven, 1878.

Liebreich, R. School life: its influence on sight and figure. Churchill: London, 1878.

Prentice, Charles. The eye in its relation to health. Wright: Bristol, Eng., 1895.

Risley, S. D. Weak eyes in the public schools of Philadelphia. Phila., 1881.

Rueling, G. School life and its influence on sight. [Baltimore, 1876.]

Southard, W. F. The modern eye: with an analysis of 1,300 errors of refraction. pp. 32. Woodward: San Francisco, 1893.

Southard, W. F. An examination of the eyes of 311 students, with charts. pp. 9. Woodward: San Francisco, 1892.

3. Overpressure.

Armstrong, R. A. The overstrain in education. pp. 38. London, 1883.

Browne, Crichton. Report on overpressure. Eyre: London, 1885.

Bryant, Sophie. Overwork: from the teacher's point of view. pp. 22. London, 1885.

Buxton, Sidney. Overpressure and elementary education. pp. 124. Sonnenschein: London, 1885.

Churchill, F. High-pressure education. London, 1885.

Digby, J. A. Hothouse education. pp. 44. London, 1882.

Dukes, Clement. Work and overwork in relation to health and schools. Rivington: London, 1893.

Hertel, Axel. Overpressure in the high schools of Denmark. Macmillan: London, 1885.

Sonnenschein, A. The truth about elementary education. Sonnenschein: London, 1886.

Tuke, J. Batty. The insanity of overexertion of the brain. Oliver: Edinburgh, 1894.

4. Spinal Curvature.

Barwell, R. The causes and treatment of lateral curvature of the spine. Macmillan: London, 1895.

Brown, B. Influence of the prevailing methods of education on the production of deformity in young persons of both sexes. pp. 8. Cambridge, Mass., 1879.

Lewis, Percy G. Early scoliosis or curable curvatures of the spine. Bale: London, 1895.

Müller, G. Spinal curvature and awkward development: their causes and prevention in children. pp. 88. London, 1894.

Smith, Noble. The more severe forms of lateral curvature of the spine. Smith: London, 1892.

d. School Architecture and Equipment.

1. Buildings and Grounds.

Alcott, William A. Essay on the construction of schoolhouses. pp. 66. Hilliard: Boston, 1832.

Barnard, Henry. School architecture: or contributions to the improvement of schoolhouses in the United States. 6th edition. pp. 464. Norton: N. Y., 1854.

Bicknell, A. J. Schoolhouse and church architecture. Trübner: London, 1877.

Chadwick, E. Sanitary principles of school construction. London, 1871.

Chase, C. T. Manual on schoolhouses and cottages for the people of the south. pp. 83. Wash., 1868.

Clark, Theodore M. Rural school architecture. pp. 106. Bu. of Ed.: Wash., 1880.

Construction and maintenance of school infirmaries. Churchill: London, 1888.

Dukes, Clement. School construction. Lawrence: Rugby, Eng.

Dunham, C. A. The model schoolhouse. pp. 35. Burlington, Iowa, 1894.

Eveleth, Samuel F. Schoolhouse architecture. Illustrated in 17 designs in various styles. pp. 14 + 67 plans. Woodward: N. Y. [1870].

Freese, Jacob R. Report on schoolhouses and means of promoting popular education. pp. 13. Wash., 1868.

Gardner, E. C. Town and country school buildings. Kellogg: N. Y., 1889.

Contains designs, plans, and descriptions.

Hodgins, J. George. Hints and suggestions on school architecture and hygiene, with plans and illustrations. pp. 135. Educational Dept.: Toronto, 1886.

Hodgins, J. George. The schoolhouse: its architecture, external and internal arrangements; with elevations and plans for public and high school buildings. pp. 271. Copp: Toronto, 1876.

Johonnot, James. Schoolhouses. With architects' designs by S. E. Hewes. Schermerhorn: N. Y., 1872.

Report of the general agent [Massachusetts board of education] on the condition of the schoolhouses, and giving plans and descriptions of schoolhouses suitable for country towns and villages. pp. 64. Boston, 1873.

Robine, E. C. Technical schools and college buildings. pp. 244. Whittaker: London, 1887.

Contains sixty-five plans; a costly book.

Robins, E. R. School architecture: planning, designing, building. pp. 440. Murray: London, 1877.

Wade, Rufus R. Schoolhouses and public buildings: how they may be safely constructed and properly heated and ventilated. pp. 35 + 34 plates of plans, designs, etc. [Boston, 1893.]

2. Furniture and Apparatus.

Hartwell, E. M. Report of the director of physical training [on seating]. pp. 82. Boston, 1895.

Holbrook, Josiah. Apparatus for schools, academies, and lyceums. Butts: Boston, n. d.

Ravenstein, E. G., and **Hulley, John.** The gymnasium and its fittings. pp. 32 + 14 plates. Trübner: London, 1867.

Robrick, G. A. Hygienic requirements of school furniture. pp. 51. N. Y., 1892.

Robrick, G. A. School furniture: a treatise on its construction, in compliance with hygienic requirements. pp. 18. Boston, 1887.

Schermerhorn, J. W. An illustrated, descriptive manual of school material. pp. 224. Schermerhorn: N. Y., 1874.

Scudder, C. L. Seating of pupils in the public schools. pp. 20 + 10 plates. Boston, 1892.

Wahl, George M. The German gymnasium in its working order. Adams Co.: Springfield, 1889.

3. Ventilation and Sanitation.

Briggs, Robert C. Steam heating: an exposition of the American practice of warming buildings by steam. pp. 122. Van Nostrand: N. Y., 1888.

Bryant, Walter, and **Herman, Leopold.** An exposition on heating and ventilating the schoolhouses of Boston in 1846 and 1847. pp. 24. Bryant: Boston, 1848.

Colyer, Frederick. Public institutions: their engineering, sanitary, and other appliances. pp. 219. Spon: London, 1889.

Griscom, John H. The nses and abuses of air. pp. 252. N. Y., 1850.

Jacob, E. H. Notes on ventilation and warming of houses, churches, schools, and other buildings. pp. 124. Young: N. Y., 1894.

Leeds, Lewis W. A treatise on ventilation. pp. 226. N. Y., 1882.

Lupton, N. T. On heating and ventilation, with special reference to the school buildings of Nashville. [Nashville, 1878.]

Marble, Albert P. Sanitary conditions for schoolhouses. pp. 168. Bu. of Ed.: Wash., 1891.

Moore, Joseph A. Ventilation of school buildings in Massachusetts. pp. 15. Chicago, 1893.

Morrison, G. B. Ventilation and warming of school buildings. pp. xxiii + 173. Appleton: N. Y., 1887.

Nichols, W. R. Sanitary condition of schoolhouses. [Boston, 1880.]

Quimby, H. M., and others. Ventilation of schoolhouses in Worcester. pp. 24. Worcester, 1889.

Ross, G. On the ventilation of schools, hospitals, law courts, and other public buildings. Collingridge: London, 1874.

Young, A. G. School hygiene and schoolhouses. pp. 399. Augusta, 1892.

This is the seventh annual report of the state board of health of Maine, and is the ablest discussion of school hygiene that has yet appeared from a board of health.

e. Voice Training.

1. Vocal Physiology and Hygiene.

Behnke, Emil, and **Brown, Lenox.** The child's voice: its treatment with regard to after-development. pp. 109. Marquis: Chicago, 1885.

Brown, Lenox, and **Behnke, Emil.** Voice, song, and speech. pp. 322. Putnam: N. Y., 1886.

Chater, Thomas. Scientific voice, artistic singing, and effective speaking. pp. 125. Bell: London, 1890.

Colombat, Marc. A treatise upon the diseases and hygiene of the organs of the voice. pp. 120. Redding: Boston, 1857.

Durant, G. Hygiene of the voice: its physiology and anatomy. pp. 188. Cassell: N. Y., 1879.

Farrar, Joseph. The human voice and connected parts. pp. 256. Japp: London, 1881.

Griffiths, W. H. The human voice: its cultivation and preservation. pp. 100. Philip: London, 1892.

Guilmette, C. A. Vocal physiology: or progressive system for the scientific education of the human voice. Edited by Edward Winthrop. pp. 92. Randolph: N. Y., 1860.

Holmes, Gordon. A treatise on vocal physiology and hygiene, with especial reference to the cultivation and preservation of the voice. pp. 278. London, 1881.

Howard, F. E. The child's voice in singing. pp. 196. Werner: N. Y., 1896.

Kirby, E. N. Vocal and action language. Boston, 1865.

Kofler, Leo. The art of breathing. pp. 275. Paul: London, 1893.

Lee, George J. The voice: its artistic production, development, and preservation. pp. 130. Simpkin: London, 1870.

Leib, W. H. Voices of children: principles and discipline through which they may be made efficient in speaking and singing. pp. 63. Ginn: Boston, 1889.

Lunn, Charles. The philosophy of voice. pp. 88. Ballière: London, 1886.

Mackenzie, Morell. The hygiene of the vocal organs. pp. 223. Macmillan: London, 1886.

Monroe, Lewis B. Manual of physical and vocal training. pp. 102. Cowperthwaite: Phila., 1871.

Myers, George H. The organs of speech and their application in the formation of articulate sounds. pp. 349. Appleton: N. Y., 1884.

Seiler, Emma. The voice in speaking. Translated by W. H. Furness. pp. 164. Lippincott: Phila., 1875.

Warman, E. B. The voice: how to train it; how to care for it. pp. 168. Lee: Boston, 1895.

2. Stammering.

Behnke, Emil. Stammering: its nature and treatment. Unwin: London, 1893.

Bell, A. M. The principles of speech and elocution. pp. 254. Hamilton: London, 1849.

Contains directions for the cure of stammering.

Bernard, A. G. On the causes, treatment, and cure of stammering. pp. 71. London, 1889.

Comstock, Andrew. Remarks on stammering. pp. 21. [Phila., 1837.]

Hartwell, E. M. Report of the director of physical training, [With special reference to stuttering.] pp. 150. Boston, 1894.

Helmore, Frederick. Speakers, singers, and stammerers. pp. 98. Master: London, 1874.

Post, A. C. Observations on the cure of strabismus, with an appendix on the new operation for the cure of stammering. pp. 67. N. Y., 1841.

Solley, J. Raymond. Acting and the art of speech at the Paris conservatoire [with hints on the cure of stammering]. pp. 63. Cooper: Birmingham, Eng.

3. Elocution and Oratory.

Atwell, B. W. Principles of elocution and vocal culture. pp. 108. Williams: Providence, 1879.

Bell, A. M. Essays and postscripts on elocution. pp. 212. Werner: N. Y., 1886.

Brown, Moses True. The synthetic philosophy of expression as applied to the acts of reading, oratory, and impersonation. pp. 297. Houghton: Boston, 1886.

Campbell, Hugh, and others. Voice, speech, and gesture. pp. 840. Putnam: N. Y., 1895.

Curry, S. S. Lessons in vocal expression. pp. 282. Sch. of Expr.: Boston [1895].

Curry, S. S. The province of expression. pp. 461. Sch. of Expr.: Boston, 1891.

Kirby, E. N. Public speaking and reading. pp. 210. Lee: Boston, 1896.

McIlvaine, J. H. Elocution: the sources and elements of its power. N. Y. [1870].

Murdock, James E. Analytic elocution: containing studies, theoretical and practical, of expressive speech. pp. 504. Cincinnati [1884].

Murray, John. Elocution for advanced pupils. pp. 143. Putnam: N. Y., 1888.

O'Connor, J. V. Hints on preaching. pp. 69. Porter: Phila., 1894.

Osmun, T. E. Acting and actors; elocution and elocutionists. pp. 287. Appleton: N. Y., 1894.

Ross, W. T. Voice culture and elocution. pp. 326. Baker: N. Y., 1887.

Russell, F. T. The use of the voice in reading and speaking. Appleton: N. Y., 1883.

Shoemaker, J. W. Practical elocution. Phila., 1881.

Smithson, D. J. Elocution and dramatic art. pp. 416. Bickers: London, 1887.

XVI. EDUCATION OF WOMEN.

See also: XVII.

Aime-Martin, M. The education of mothers of families. Whittaker: London, 1842.

Ames, Azel. Sex in industry: a plea for the working-girl. pp. 158. Miller: N. Y., 1875.

Bateson, Margaret, editor. Professional women upon their professions. pp. 133. Cox: London, 1895.

Bebel, A. Women in the past, present, and future. pp. 268. N. Y., 1886.

Beecher, Catherine E. An essay on the education of female teachers. pp. 22. N. Y., 1835.

Beecher, Henry Ward. Addresses on mental culture for women. pp. 44. Lloyd: N. Y., 1859.

Blackwell, Elizabeth. Pioneer work in opening the medical profession to women. pp. 265. Longmans: London, 1895.

Blake, Sophia Jex. Medical women: a thesis and a history. pp. viii + 256 + 99, Oliphant: Edinburgh, 1886.

Blanc, Thérèse. The condition of women in the United States. Translated by Abby L. Alger. Boston, 1895.

Bolton, Sarah K. Social studies in England. pp. 193. Lothrop: Boston [1885].

Contents: Higher education of women at Cambridge; at Oxford; women in London university; in university college; in the art schools; needlework and cookery; new work for women; women as nurses; post office savings banks, etc.

Brackett, Anna C., editor. The education of American girls. Putnam: N. Y., 1875.

A series of twelve articles by women occasioned by Dr. Clarke's Sex in education.

Brackett, Anna C., editor. Women and the higher education. pp. 214. Harper: N. Y., 1893.

Essays by Mrs. Emma Willard, Mrs. E. C. Embury, Maria Mitchell, Mrs. L. G. Runkle, Mrs. Alice Freeman Palmer, Lucy M. Salmon, and Anna C. Brackett.

Bremner, C. S. Education of girls and women in Great Britain. With a preface by Elizabeth P. Hughes. London, 1897.

Burstall, Sara A. The education of girls in the United States. pp. 204. Sonnenschein: London, 1894.

Butler, Josephine E. Woman's work and woman's culture. Macmillan: London, 1869.

Campbell, D. Mixed education of boys and girls in England and America. Longmans: London, 1874.

Chadwick, James R. The study and practice of medicine by women. Barnes: N. Y. [1879].

Chapman, Priscilla. Hindoo female education. Seeley: London, 1839.

Clarke, Edward H. Building of a brain. Houghton: Boston, 1874.

Clarke, Edward H. Sex in education: or a fair chance for the girls. pp. 181. Osgood: Boston, 1873.

Clouston, T. S. Female education from a medical point of view. Edinburgh, 1882.

Discusses the medical aspects of woman's education.

Cobbe, Frances P. Essays on the pursuits of women. Faithfull: London, 1866.

Comfort, George F., and **Comfort, Anna M.** Woman's education and woman's health; chiefly in reply to Sex in education. pp. 155. Bardeen: Syracuse, 1874.

Cushman, Robert W. Female education: what and by whom? pp. 72. Jewett: Boston [1855].

Dall, Caroline W. H. The college, the market, and the court: or woman's relation to education, labor, and law. Boston, 1867.

Davies, Emily. The higher education of women. Strahan: London and N. Y., 1866.

Davies, Emily. Women in the universities of England and Scotland. Cambridge, 1896.

Duffey, E. B. No sex in education: or an equal chance for both boys and girls. pp. 139. Stoddart: Phila., 1874.

A review of Dr. Clarke's Sex in education.

Earle, Alice M. Margaret Winthrop: women of colonial and revolutionary times. pp. 341. Scribner: N. Y., 1895.

Ellis, Sarah. The daughters of England: their position in society, character, and responsibilities. pp. 280. Appleton: N. Y., 1842.

Faithfull, Emily. Three visits to America. Edinburgh, 1884.

Fullom, Stephen W. History of woman and her connection with religion, civilization, and domestic manners. pp. 407. Routledge: London, 1855.

Garnett, James M. Lectures on female education. pp. 389. White: Richmond, 1825.

Greene, William B. Critical comments on certain special passages in the introductory portion of Edward H. Clarke's book on Sex in education. pp. 30. Lee: Boston, 1874.

Grey, Maria G. Last words to girls on life in school and after school. Rivington: London, 1889.

Grey, Maria G. On the education of women. pp. 64. Ridgway: London, 1871.

Grey, Maria G., and Shirreff, Emily. Thoughts on self-culture addressed to women. Simpkin: London, 1872.

Hodgson, W. B. The education of girls and the employment of women of the upper classes educationally considered. pp. 114. Trübner: London, 1869.

Horton, M. B. The divine law of birth. pp. 63. Carter: Boston, 1867.

Howe, Annie G. Health statistics of women college graduates. pp. 78. Wright: Boston, 1885.

Howe, Julia Ward, editor. Sex in education. pp. 203. Roberts: Boston, 1874.

Replies to Dr. Clarke's book.

Jacobi, Mary Putnam. The question of rest for women. pp. 232. Putnam: N. Y., 1877.

Johnson, Franklin. True womanhood. pp. 139. King: Cambridge, 1882.

Jordan, David Starr. Care and culture of men. pp. 268. Whitaker: San Francisco, 1896.

Contains a chapter on the higher education of women.

Lange, Helene. Higher education of women in Europe. Translated and accompanied by comparative statistics, by L. R. Klemm. pp. xxxvi + 186. Appleton: N. Y., 1890.

Livermore, Mary A. What shall we do with our daughters? pp. 208. Lee: Boston, 1883.

Lohse, Johanne. Mistaken views on the education of girls. pp. 136. London, 1885.

Lowell, Anna Cabot. Thoughts on the education of girls. pp. 72. Ticknor: Boston, 1853.

Martin, Kate B. The social status of European and American women. pp. 47. Kerr: Chicago, 1887.

Mayo, A. D. Southern women in the recent educational movement. pp. 300. Bu. of Ed.: Wash., 1892.

Mill, John Stuart. The subjection of woman. Appleton: N. Y., 1869.

More, Hannah. Strictures on the modern system of female education. 2 vols. Dobson: Phila., 1800.

Myers, Annie N., editor. Woman's work in America with an introduction by Julia Ward Howe. pp. 456. Holt: N. Y., 1891.

Contents: Education of women in the eastern states; western states; southern states; women in literature; medicine; journalism; ministry; law; state; industry; philanthropy; care of the sick; care of criminals; Indians; etc.

Orton, James. The liberal education of women: the demand and the method. pp. 328. Barnes: N. Y., 1873.

Pascoe, Charles E. Schools for girls and colleges for women. With some chapters on the higher employment of women. pp. 263. Hardwicke: London, 1879.

Pfeiffer, Emily. Women and work. pp. 186. Trübner: London, 1888.

Pullen, P. H. Pestalozzi's mother's book. Black: London, 1820.

Sewell, Elizabeth M. Principles of education, drawn from nature and revelation, and applied to female education in the upper classes. pp. 476. Appleton: N. Y., 1866.

Shirreff, Emily. Intellectual education and its influence on the character and happiness of women. pp. 276. Smith: London, 1862.

Stanton, Theodore, editor. The woman question in Europe. pp. 478. N. Y., 1884.

By 24 contributors. A valuable series of papers on the suffrage, educational, medical, and industrial movements in Europe affecting women.

Stevens, W. Le Conte. The admission of women to universities. pp. 26. N. Y., 1883.

Starrett, Helen E. The future of educated women. pp. 75. McClurg: Chicago, 1885.

Terhune, Mary V. Our daughters: what shall we do with them? pp. 141. Carleton: N. Y., 1880.

Thwing, Charles F. The college woman. pp. 168. Baker: N. Y. [1894].

Todd, John. The daughter at school. pp. 256. Northampton, Mass., 1854.

Vanderbilt, A. T. What to do with our girls. pp. 176. Houlston: London, 1884.

White, Andrew D. Report submitted to the trustees of Cornell university in behalf of a majority of the committee on Mr. Sage's proposal to endow a college for women. pp. 40. Ithaca, 1872.

Willard, Emma. Advancement of female education. pp. 48. Troy, 1833.

Willard, Frances E. Women in the pupit. pp. 172. Lothrop: Boston [1888].

Wright, Carroll D. Health statistics of female college graduates. pp. 64. Wright: Boston, 1885.

Wright, Thomas. Womankind in western Europe, from the earliest times to the 17th century. pp. 340. Groombridge: London, 1869.

XVII. SELF-CULTURE AND HOME EDUCATION.

Abbott, E. A. Hints on home teaching. Seeley: London, 1883.

Arey, H. E. G. Home and school training. pp. 192. Lippincott: Phila., 1884.

Blackie, J. S. On self-culture: intellectual, physical, and moral. pp. 112. Scribner: N. Y., 1875.

Bryant, Sophie. Educational ends: or the ideal of personal development. pp. 292. Longmans: London, 1887.

Burton, Warren. Helps to education in the homes of our country. pp. 368. Crosby: Boston, 1863.

Channing, William E. Self-culture. pp. 128. Munroe: Boston, 1842.

Chester, Eliza. Chats with girls on self-culture. pp. 213. Dodd: N. Y., 1891.

Clarke, James Freeman. Self-culture: physical, intellectual, moral, and spiritual. pp. 446. Osgood: Boston, 1883.

Degerando. Self-education: or the means and art of moral progress. Translated by Elizabeth P. Peabody. Burnham: Boston, 1860.

Eggleston, Geo. Cary. How to educate yourself: with or without masters. pp. 151. Putnam: N. Y., 1872.

Foster, John. Essays on the improvement of time. Bell: London, 1852.

Grey, Maria G., and **Shirreff, Emily.** Thoughts on self-culture. pp. 464. Simpkin: London, 1852.

Hale, Edward Everett. How to do it. pp. 269. Osgood: Boston, 1871.

Hale, Edward Everett. What career? pp. 271. Roberts: Boston, 1878.

Hamerton, Philip Gilbert. Intellectual life. pp. 555. Roberts: Boston, 1889.

Hime, M. C. Home education: or Irish versus English grammar schools for Irish boys. pp. 330. Simpkin: London, 1887.

Lyttleton, E. Mothers and sons: problems on home training of boys. Macmillan: London, 1893.

Mann, Horace. A few thoughts for a young man. pp. 84. Lee: Boston, 1850.

Macleod, Norman. Home school. Paton: Edinburgh, 1862.

Martineau, Harriet. Household education. pp. 366. Osgood: Boston, 1883.

Mason, Charlotte M. Home education. pp. 277. Paul: London, 1886.

Mental culture: hints on the best and shortest way of cultivating the mind. pp. 40. Ward: London, 1840.

Raymond, Emily. About Chautauqua: as an idea, as a power, and as a place. pp. 142. Toledo, 1886.

Sedgwick, Catherine M. Means and ends, or self-training. pp. 278. Marsh: Boston, 1839.

Shaftsbury, Edmund. The one hundred points of character by Shaftsbury: a course of self-training. pp. 276. Wash., 1892.

Taylor, Isaac. Home education. pp. 380. London, 1838.

Todd, John. Student's manual. Baker: N. Y., 1885.

Tomlin, F. G. Helps to self-educators. Stacey: London, 1851.

Venable, W. H. Let him first be a man. Lee: Boston, 1893.

Vincent, John H. The Chautauqua movement. Chautauqua Press: Meadville, 1886.

Waters, Robert. Intellectual pursuits, or culture by self-help. N. Y., 1892.

Watts, Isaac. The improvement of the mind. Barnes: N. Y., 1860.

XVIII. SOCIOLOGICAL ASPECTS OF EDUCATION.

a. Education and the State.

Bains, E. Letters to Lord John Russell on state education. Simpkin: London, 1846.

Barnard, F. A. P. Education and the state. pp. 65. N. Y., 1879.

Brongham, Henry. The education of the people. pp. 31. Baynes: London, 1835.

Coleridge, S. T. Public school education. pp. 96. London, 1861.

Conway, James. The state last: a study of Dr. Bouquillon's pamphlet [Education, to whom does it belong?]. pp. 116. Pustet: N. Y., 1892.

"Denying to the state a monopoly in education and even the right to establish a standard of education. The arguments manifest in an eminent degree the scholarship which has always characterized the Society of Jesus."—Sonnenschein.

Fletcher, Joseph. Education: national, voluntary, and free. pp. 91. London, 1851.

Fortescue, Hugh. Public schools for the English middle classes. Longmans: London, 1864.

Garfield, James A. Speeches on education. pp. 433. Osgood: Boston, 1882.

Hunter, W. W., and others. State education for the people. pp. 177. Bardeen: Syracuse, 1895.

Hoyt, John W. Memorial in regard to a national university. pp. 123. Gov't Printing Office: Wash., 1892.

Kay, David. Education and educators. pp. 490. Paul: London, 1883.

Contents: Meanings. nature and importance, and hereditary effects of education; education and the state; education and religion; different kinds of educators.

Maurice, F. D. Education and representation. Strahan: London, 1866.

Maurice, F. D. Has the state the power to educate the nation? Rivington: London, 1839.

Morley, Henry, editor. Ideal commonwealths: Plutarch's Lycurgus, More's Utopia, Bacon's New Atlantis, Campanella's City of the Sun, and a fragment of Hall's Mundus alter et idem. pp. 284. Routledge: London, 1885.

Müller, Michael. Public school education. pp. 415. Sadlier: N. Y., 1875.

An exposition of the evil consequences of public school education, and denial of the right of the state to educate.

Parker, Theodore. The public education of the people. pp. 59. Crosby: Boston, 1850.

Playfair, Lyon. Subjects of social welfare. pp. 392. Cassell: London, 1889.

Contents: Public health; industrial wealth; national education.

Putnam, G. B. School and state. pp. 29. New Eng. Pub. Co.: Boston, 1892.

Schaible, C. H. The state and education. Stanford: London, 1870.

Sharpless, Isaac. Relation of state to education in England and America. Am. Acad. Pol. and Soc. Sci.: Phila.

Taylor, Charles E. How far should the state undertake to educate? pp. 48. Edwards: Raleigh, 1894.

Thomas, A. F. The English schoolroom: or thoughts on private tuition. Low: London, 1865.

Warner, Amos G. Evolution of charities and charitable institutions. Appleton: N. Y., 1893.

Wordsworth, C. Discourses on public education. pp. 380. Rivington: London, 1844.

Zincke, F. B. Some thoughts about the school of the future. pp. 236. Longmans: London, 1852.

Written by a clergyman of the church of England. A plea for popular and free education.

b. Compulsory Education and Illiteracy.

See also: IX, *f*.

Campbell, Dudley. Compulsory education. pp. 45. Murray: London, 1870.

Cooper, Oscar H. Compulsory laws and their enforcement. Bardeen: Syracuse, 1890.

Eaton, John. Illiteracy and its social, political, and industrial effects. pp. 25. [N. Y., 1882.]

Fry, J. B. Public schools and compulsory education. pp. 30. N. Y., 1887.

Northrop, B. G. The legal prevention of illiteracy. pp. 26. New Haven, 1875.

Philbrick, John D. Report on truancy and compulsory education. pp. 70. Boston, 1862.

Rose, G. W. Report on compulsory education in Canada, Great Britain, Germany, and the United States. Warwick: Toronto, 1891.

Van Bokkelen, L. Compulsory education. pp. 17. Bu. of Ed.: Wash., 1872.

Waite, H. R. Illiteracy and Mormonism. Lothrop: Boston, 1885.

Warren, Charles. Illiteracy in the United States in 1870 and 1880. pp. 99. Bu. of Ed.: Wash., 1884.

c. Education and Heredity.

See also: XIII, *d*; IX, *d*.

Allen, N. The prevention of disease, insanity, crime, and pauperism. Boston, 1878.

Bradford, A. H. Heredity and Christian problems. pp. 281. Macmillan: N. Y., 1895.

Dugdale, R. L. The Jukes: a study in crime, pauperism, disease, and heredity. pp. 121. Putnam: N. Y., 1888.

Fouillée, Alfred. Education from a national standpoint. Translated and edited by W. J. Greenstreet. pp. 332. Appleton: N. Y., 1892.

Fowler, O. S. Hereditary descent: its laws and facts applied to human improvement. pp. 288. Wells: N. Y., 1875.

Galton, Francis. Natural inheritance. pp. 259. Macmillan: London, 1889.

Galton, Francis. Hereditary genius: an inquiry into its laws and consequences. pp. 390. N. Y., 1883.

Guyau, Marie Jean. Education and heredity: a study in sociology. pp. 306. Scott: London, 1891.

Kendall, Henry. The kinship of men. pp. 216. Paul: London, 1888.

Orr, H. B. A theory of development and heredity. Macmillan: London, 1893.

Ribot, Th. Heredity: a psychological study of its phenomena, laws, causes, and consequences. pp. 393. N. Y., 1883.

Royce, Samuel. Deterioration and race education. pp. 585. Lee: Boston, 1878.

A sociological study of education; contains many interesting facts.

Strahan, S. A. K. Marriage and disease: a study of heredity and the more important family degenerations. pp. 326. Appleton: N. Y., 1892.

d. Education and Crime.

See also: IX, *f*.

Ellis, William. Where must we look for the further prevention of crime? pp. 100. Smith: London, 1857.

Green, S. M. Crime: its nature, causes, treatment, and prevention. pp. 346. Lippincott: Phila., 1889.

Hill, Frederic. Crime: its amount, causes, and remedies. pp. 443. Murray: London, 1853.

MacDonald, Arthur. Criminology. pp. 416. Funk: N. Y., 1893.

Contains very complete bibliographies.

Montgomery, Z. The poison fountain: or anti-parental education. pp. 189. San Francisco, 1878.

Discusses education in its relation to crime, pauperism, insanity, and suicide.

Morrison, W. D. Crime and its causes. pp. 236. Sonnenschein: London, 1891.

Rylands, L. G. Crime: its causes and remedy. pp. 264. Unwin: London, 1889.

Vaux, Richard. Short talks on crime-cause and convict punishment. pp. 136. Phila., 1882.

Wickersham, J. P. Education and crime. pp. 10. Bu. of Ed.: Wash., 1881.

Wines, F. H. Punishment and reformation. pp. 339. Crowell: N. Y. [1895].

Winter, A. The New York state reformatory in Elmira. pp. 172. Sonnenschein: London, 1891.

e. College Settlements and University Extension.

Adams, Herbert B. Seminary libraries and university extension. Baltimore, 1888.

Adams, Henry C., editor. Philanthropy and social progress. pp. 268. Crowell: N. Y. [1893].

Contents: The subjective necessity for social settlements; objective value of social settlements; the university settlement idea; philanthropy—its success and failure; philanthropy and morality; the ethics of social progress; principles and chief dangers of the administration of charity.

Addams, Jane. The subjective value of social settlement. pp. 16. [N. Y., 1892.]

Dewey, Melvil. The extension of the university of the state of New York. pp. 43. [Albany, 1889.]

Harris, William T. University and school extension. pp. 12. Bardeen: Syracuse, 1890.

Henderson, George. Report upon the university extension movement in England. pp. 32. Phila. [1891].

James, George F. Handbook of university extension. pp. 421. Boston, 1893.

Jones, Catherine M. A bibliography of college, university, and social settlements. pp. 19. [Boston, 1894.]

Knapp, John M. The universities and the social problem: an account of the university settlements in East Boston. pp. 235. Rivington: London, 1895.

Mackinder, H. J., and **Sadler, M. E.** University extension: past, present, and future. pp. 144. Cassell: London, 1891.

Montague, F. C. Arnold Toynbee: with an account of the work of Toynbee hall. pp. 70. Baltimore, 1889.

Moulton, R. G., and **Stuart, J.** The university extension movement. Bemrose: Derby, 1885.

Patton, Simon N. The place of university extension. pp. 36. [Phila.] 1894.

Roberts, R. D. Eighteen years of university extension. pp. 129. Cambridge Press, 1891.

Roberts, R. D. Aspects of modern study: being university extension address. pp. 187. Macmillan: London, 1894.

Rowley, Henry. The story of the universities' mission to central Asia. pp. 493. Saunders: London, 1866.

Russell, James E. Extension of university teaching in America. Albany, 1895.

Smart, William. Toynbee hall. Maclehose: Glasgow.

The work and hopes of the universities' settlement in East London [Toynbee hall]. pp. 39. Clarendon Press: Oxford, 1887.

Ward, Mary A. The future of university hall [London]. pp. 25. Smith: London, 1892.

Woods, Robert A. English social movements. pp. 277. Scribner: N. Y., 1891.

Contents: The labor movement; socialism; the university settlements; university extension; the social work of the church; charity and philanthrophy; moral and educational progress.

XIX. SCHOOL SYSTEMS.

a. American.

1. United States.

Adams, Francis. The free school system of the United States. pp. 309. Chapman: London, 1875.

Baker, John A. Colleges in America. pp. 265. Cleveland, 1894.

Blake, Sophia Jex. Visits to some American schools and colleges. Macmillan: London, 1867.

Bryant, W. M. The American scheme of state education. pp. 66. St. Louis, n. d.

Buisson, F. American education as described by the French commission to the international exhibition of 1876. pp. 37. Bu. of Ed.: Wash., 1879.

This is an abstract of the comprehensive report of M. Buisson made to the French government on the educational exhibit at Philadelphia. It was the most masterly report that appeared.

Collings, Jesse. An outline of the American school system. pp. 62. Simpkin: London, 1872.

Dodge, Mary Abigail. Our common school system. pp. 358. Estes: Boston [1880].

Fitch, J. G. Notes on American schools and training colleges. Macmillan: N. Y., 1889.

Fraser, J. Report on the common school system of the United States and Canada. Eyre: London, 1867.

Harris, William T. The theory of American education. pp. 19. [St. Louis, 1870.]

Henderson, J. C. Our national system of education. pp. 136. Dodd: N. Y. [1877].

Humphreys, W. C. Government and education in the United States. pp. 52. Chasmar: N. Y. [1890].

Page, Mary H. Graded schools in the United States of America. pp. 71. London, 1894.

Peers, Benjamin O. American education. pp. 364. Taylor: N. Y., 1838.

Philbrick, John D. City school systems in the United States. pp. 207. Bu. of Ed.: Washington, 1885.

Rice, Joseph M. The public school system of the United States. pp. 308. Century Co.: N. Y., 1893.

Siljeström, P. A. The educational institutions of the United States: their character and organization. Translated from the Swedish by Frederica Rowan. pp. 411. Chapman: London, 1853.

Zimmern, Alice. Methods of education in the United States. pp. 178. Sonnenschein: London, 1894.

2. Canada.

An account of the schools controlled by the Roman Catholic board of school commissioners of the city of Montreal, Canada. pp. 112. Montreal, 1893.

Biggar, E. B. Educational system of the province of Ontario. pp. 96. Toronto, 1886.

Crooks, Adam. Educational institutions [of the] province of Ontario. pp. 23. Toronto, 1876.

Millar, John. The educational system of the province of Ontario, Canada. pp. 114. Warwick: Toronto, 1893.

Ross, Geo. W. The school system of Ontario. pp. xiv, 203. Appleton: N. Y., 1896.

b. European.

1. General.

See also: II, *b*, 4.

Arnold, Matthew. Schools and universities on the continent. pp. xxviii + 311. Macmillan: London, 1868.

An able report of continental schools of thirty years ago.

Bache, A. D. Report on education in Europe. pp. 668. Girard college: Phila., 1839.

Barnard, Henry. National education: systems, institutions, and statistics of public instruction in different countries. 2 vols. Steiger: N. Y., 1872.

Contents: German states, Switzerland, France, Belgium, Holland, Denmark, Norway, Sweden, Russia, Turkey, Greece, Italy, Spain, Portugal.

Klemm, L. R. European schools: or what I saw in Germany, France, Austria, and Switzerland. pp. 419. Appleton: N. Y., 1889.

The careful observations of a practical teacher, especially good on Germany.

Laishley, R. Report on the state of education in Great Britain, France, Switzerland, Italy, Germany, Belgium, and the United States. pp. 186. Wellington, 1886.

Mann, Horace. Report of an educational tour, with a preface by W. B. Hodgson. Simpkin: London, 1857.

Northrop, B. G. Education abroad. pp. 176. Barnes: N. Y., 1873.

Sonnenschein, A. Educational codes of foreign countries. pp. 227. Sonnenschein: London, 1889.

Gives the *required* course of study in many different countries.

2. Great Britain.

Bigg, H. A new review of national education. pp. 117. Scott: London, 1890.

Adams, Francis. History of the elementary school contest in England. pp. 349. London, 1882.

Arnold, Matthew. Reports on elementary schools. Edited by F. R. Sanford. pp. 302. Macmillan: London, 1889.

Brabazon, R. Some national and board school reforms. pp. 143. London, 1887.

Craik, Henry. The state in its relation to education. pp. 166. Macmillan: London, 1884.

The best brief account of elementary (board) schools in England.

Davies, E. University education in Wales. pp. 61. London, 1881.

Doyle, Thomas. Essay on the education and state of Ireland. Gill: Dublin, 1880.

Gregory, Robert. Elementary education: some account of its rise and progress in England. pp. 192. London, 1895.

Hazelton, M. W. British and American education: the universities of the two countries compared. pp. 197. Harper: N. Y., 1880.

Herkless, W. R. Scottish university reform. pp. 112. Glasgow, 1884.

Holland, Henry Wilkinson. Proposed national arrangements for primary education. pp. 199. Longmans: London, 1870.

Gives a good account of the state of education in England in 1870.

Hulbert, H. W. English rural schools. pp. 26. Bu. of Ed.: Wash., 1880.

Mann, Horace. Official report on education in Great Britain [made to the English government]. Routledge: Boston, 1854.

Morley, John. The struggle of national education. Chapman: London, 1873.

Reed, Charles. Elementary education in London. pp. 24. Bu. of Ed.: Wash., 1878.

Rigg, J. H. National education and its social condition and aspects. Strahan: London, 1873.

Sharpless, Isaac. English education in elementary and secondary schools. pp. 193. Appleton: N. Y., 1892.

Shuttleworth, James Kay. Public education as affected by the minutes of the committee of privy council from 1846 to 1852; with suggestions as to future policy. pp. 500. Longmans: London, 1853.

Walsh, W. J. Irish university question. pp. 100. Dublin, 1890.

Whitmell, C. T. Elementary education. [Wales.] pp. 128. Cardiff, 1886.

Wiese, L. German letters on English education. Collins: London, 1877.

3. France.

Arnold, Matthew. The popular education of France. pp. 294. Longmans: London, 1861.

Arnold, Matthew. A French Eton: middle class education and the state. pp. 122. Macmillan: London, 1864.

Describes his visit to several French schools, and compares the French and English systems of education.

Eaton, John, editor. Education in France. pp. 144. Bu. of Ed.: Wash., 1881.

Finlay, T. A. Freedom of education under the French republic. [London, 1879.]

Johnson, D. General view of public education in France. Oliver: London, 1827.

Parsons, James R. French schools through American eyes. Bardeen: Syracuse, 1892.

The best brief account of the present workings of the French school system.

Richard, Ernst. The school system of France. pp. 21. N. Y., 1893.

Rowe, L. S. Instruction in French universities. Am. Acad. Pol. and Soc. Sci.: Phila.

Teegan, Thomas H. Elementary education in France. Simpkin: London, 1892.

Wordsworth, C. Diary in France: mainly on topics concerning education and the church. Rivington: London, 1846.

4. Germany, Austria, and Switzerland.

Arnold, Matthew. Higher schools and universities of Germany. pp. 207. Macmillan: London, 1874.

Bashford, J. L. Elementary education in Saxony. London, 1881.

Bird, Charles. Higher education in Germany and England. pp. 137. Paul: London, 1884.

Bott, Arthur. Prussia and the German system of education. pp. 66. Munsell: Albany, 1868.

Cousin, Victor. State of public instruction in Prussia. Translated by Sarah Austin. Wilson: London, 1834.

Written more than sixty years ago, but yet valuable.

Davis, G. B. Report on schools in Germany and Switzerland. Houghton: Birmingham, 1879.

Endean, J. R. The public education of Austria. pp. 47. Simpkin: London, 1888.

Hall, G. Stanley. Aspects of German culture. pp. 320. Osgood: Boston, 1881.

Hickson, W. E. Dutch and German schools. pp. 86. Taylor: London, 1840.

Magnus, Philip. Education in Bavaria. pp. 24. N. Y., 1888.

Parsons, James R. Prussian schools through American eyes. Bardeen: Syracuse, 1891.

Payne, Joseph. A visit to German schools. pp. 138. Paul: London, 1876.

Perry, C. C. Reports on German elementary schools and training colleges. pp. 235. Rivington: London, 1887.

Prince, J. T. Methods of instruction and organization of schools in Germany. pp. 237. Lee: Boston, 1892.

Richard, Ernst. The German school system. pp. 17. N. Y., 1893.

Seeley, Levi. The common school system of Germany and its lessons to America. pp. 251. Kellogg: N. Y., 1896.

The best recent account in English of the German school system. The author spent four years in Germany, and made a careful study of the schools.

5. Other European Countries.

Andrews, C C., and **Gade, Gerhard.** Public instruction in Sweden and Norway. pp. 48. Bu. of Ed.: Wash., 1871.

Cousin, Victor. State of education in Holland as regards schools for the working classes and the poor. Translated by L. Horner. Murray: London, 1838.

Eaton, John, editor. Historical summary and reports on the systems of public instruction in Spain, Bolivia, Uruguay, and Portugal. pp. 66. Bu. of Ed.: Wash., 1873.

Elementary and middle class instruction in the Netherlands. pp. 120 + liii. Sythoff: Leyden, 1876.

An excellent account of elementary and secondary education in Holland.

Felton, C. C. The schools of modern Greece. pp. 72. [Boston, 1861.]

Fries, Ellen, editor. Reports from the Swedish ladies' committee to the world's Columbian exposition. Stockholm, 1893.

Contains a good account of the school system of Sweden.

Grasby, W. Catton. Teaching in three continents: personal notes on the educational systems of the world. Preface by Wm. T. Harris. pp. 344. Cassell: London, 1891.

Describes educational conditions in America, Europe, and Australia.

Healey, Elizabeth. Educational systems of Sweden, Norway, and Denmark. Taylor: London, 1893.

Heikel, Felix, and others. Public instruction in Finland, the Netherlands, Denmark, Würtemberg, and Portugal. pp. 77. Bu. of Ed.: Wash., 1877.

Laveleye, Émile de, and others. Public instruction in Belgium, Russia, Turkey, Servia, and Egypt. pp. 108. Bu. of Ed.: Wash., 1875.

Pearne, Thomas H. Education in the British West Indies. pp. 22. Bu. of Ed.: Wash., 1872.

Pearson, Charles H. Report of the state of education in Victoria [Australia]. Melbourne, 1878.

Report upon the state of secondary and normal education in the Argentine Republic. pp. 209. La Plata, 1893.

Russell, J. Schools of Greater Britain. pp. 225. Collins: London, 1887.

The Russian ministry of education. pp. 64. St. Petersburg, 1893.

The best brief account of the Russian school system in the English language.

c. Asiatic.

Amír Husain. Mohammedan education in Bengal. pp. 30. Calcutta, 1880.

A short history of the department of education [of Japan]. pp. 70. Tokyo, 1891.

Education in Japan. pp. 56. Bu. of Ed.: Wash., 1885.

Enomato, Takeaki. Outlines of modern education in Japan. pp. 184. Educl. Dept.: Tokyo, 1888.

Griffis, William E. Education in Japan. pp. 64. Bu. of Ed.: Wash., 1875.

Kerr, J. Review of public instruction in the Bengal presidency, 1835 to 1851. 2 vols. pp. 200, 269. Allen: London, 1853.

Lawrence, E. A. Modern missions in the East. pp. 329. Harper: N. Y., 1895.

Gives an account of the educational efforts of the missions in China, Corea, Japan, India, and Turkey.

Lethbridge, R. Higher education in India. Allen: London, 1882.

Martin, W. A. P. Education in China. pp. 28. Bu. of Ed.: Wash., 1877.

Mori, Arinori, editor. Education in Japan. Appleton: N. Y., 1876.

Murdock, J. Education in India. pp. 143. Madras, 1881.

Thomas, F. W. History and progress of British education in India. Brighton: Cambridge, 1891.

Warren, Joseph. Schools in British India. pp. 30. Bu. of Ed.: Wash., 1873.

XX. EDUCATIONAL CONFERENCES AND EXHIBITS.

a. Conferences.

Addresses and proceedings of the national educational association, 1858 to date. 35 vols.

Organized 1857 as National teacher's association; first session held 1858; name changed to National educational association 1870; no sessions held 1861, 1862, 1867, and 1878.

Documents of the council of education of the state of New Jersey. 11 nos. Trenton, 1888 to date.

Official reports of the New England association of colleges and preparatory schools. Organized 1886.

Proceedings of the American institute of instruction. 65 vols. [No vols. issued in 1873 and 1874.] 1830 to date.

The oldest organization of teachers in the United States. The proceedings constitute a vast body of the best educational thought, but a classified index is much needed.

Proceedings of the annual conventions of the college association of the middle states and Maryland. Organized 1889.

Proceedings of the annual convocations [of the university of the state of New York]. 1863 to date. 33 vols. Lyon: Albany.

Proceedings of the American association for the advancement of physical education. 1885 to date. 10 vols.

Proceedings of the international conference on education, London, 1884. Edited by Richard Cowper. 4 vols. pp. 512, 648, 424, 471. Clowes: London, 1884.

A valuable series of 89 papers by leading European and American educators. Vol. I, Conditions of healthy education; infant training and teaching; organization of elementary education; inspection and examinations of schools; gymnastics and other physical exercises; teaching of music in schools. Vol. II, Technical teaching in science, art, handicraft, agriculture, and domestic economy; subsidiary aids to instruction; thrift in schools. Vol. III, Organization of university education. Vol. IV, Training of teachers; organization of intermediate and higher education.

Reports of the royal commission on secondary education. 9 vols. Eyre: London, 1895.

Report of a conference on secondary education in England. pp. 234. Clarendon Press: Oxford, 1894.

Transactions of the education society and teachers' guild of Great Britain and Ireland. 4 vols. London, 1884–90.

A series of 29 valuable papers on a great variety of educational subjects.

b. Exhibits.

Eaton, John, editor. American education at the international exposition to be held at Vienna in 1873. pp. 79. Bu. of Ed.: Wash., 1872.

Educational exhibits and conventions at the world's industrial and cotton centennial exposition, New Orleans, 1884–85. pp. 962. Bu. of Ed.: Wash., 1886.

Hoyt, J. W. Report on education at the Paris exposition [1867]. Bu. of Ed.: Wash., 1870.

Philbrick, John D. Catalogue of the United States collective exhibition of education at the Paris universal exhibition of 1878. pp. 123. Chiswick Press: London, 1878.

Philbrick, John D. Education at the Paris exposition [1878]. pp. 9. Bu. of Ed.: Wash., 1879.

Reports of the United States commissioners to the Paris universal exposition, 1878. 5 vols. Wash., 1880.

Vol. II contains the report on education.

Seguin, E. Report on education. pp. 215. Doeflinger: Milwaukee, 1880.

An account of the education exhibit at Vienna in 1873.

Spalding, J. L. The Catholic educational exhibit in the Columbian exposition. pp. 8. Chicago [1892].

Thurston, R. H., editor. Vienna international exhibition, 1873; reports of the commissioners of the United States. 4 vols. Wash., 1876.

Vol. II contains the report on education.

XXI. AMERICAN REPORTS.

a. National.

Reports of the commissioner of education of the United States. Henry Barnard, 1867–70; John Eaton, 1870–86; N. H. R. Dawson, 1886–89: William T. Harris, 1889 to date. 33 vols. Wash., 1868–95.

The first report was issued 1868; the second 1870; from 1870 to 1888 one volume for each year has appeared; since 1888 two volumes a year. These reports cover the whole field of contemporary educational thought, and constitute in themselves a library of education. Among the subjects discussed in the different reports are the following:

1867–68. Educational land policy in the United States; the state and education in the United States; female education at home and abroad; New England system of high schools and academies; secondary schools in Prussia; school architecture; training of teachers; institutions and museums of natural science.

1870. Condition of education among the Indians; kindergarten culture; Hebrew education; progress of education in Argentine Republic, England, Bengal, Austria, Australia, and Ecuador; education of the deaf and dumb; medical education; Chinese migration; relation of education to labor; illiteracy in the United States.

1871. Education among the Indians; national schools of science; relation of education to insanity and crime.

1872. Education of the deaf and blind; progress of education in the United States; education in the Hawaiian islands; education, crime, and pauperism.

1873. School superintendence; education of women; educational work of Sundsy schools and foreign missions.

1874. Science and education; education at the centennial; educational conventions and institutes.

1875. Condition of education at the time of the declaration of independence; educational exhibit at Vienna; medical jurisprudence.

1876. Training schools for nurses; compulsory education in France; education at the centennial; the study of Anglo-Saxon; pronunciation of Latin and Greek.

1877. Schools for the colored race; hygiene in the public schools; instruction in art; crime and education.

1878. Classical and scientific instruction; education in Japan; United States education at the Paris exposition; industrial instruction for the dependent classes.

1879. Peabody fund; agricultural education in Europe; drawing and sewing in the public schools.

1880. United States educational land grants; evening schools; sanitation and education; color blindness and myopia; physiology of reading.

1881. The census in its relation to education; illiteracy among minors; reform schools.

1882–83. Compulsory school laws; medical education; technical education in Europe.

1883–84. Kindergarten; higher education of women abroad.

1884–85. School hygiene; universities and colleges; industrial training.

1885–86. State school laws.

1886–87. Temperance instruction; text-books: school savings banks; corporal punishment; music; examinations and promotion.

1887–88. History of American education; education in Alaska; incorrigibles and habitual truants; manual training.

1888–89. German, American, and French schools compared; educational systems of England and France; schools of Germany, Austria, and Switzerland; school systems of Italy, Sweden, Finland, Spain, and Brazil; normal school curriculum; religious instruction in public schools; compulsory attendance.

1889–90. Educational congresses at Paris in 1889; educational system of

Scotland; elementary education in London and Paris; higher schools of Prussia; school systems of Austria, Norway, and Denmark.

1890-91. Secondary education in New Zealand; educational system of Ireland; industrial and technical education in Europe; education in Russia, Italy, Korea, and Japan; legal education in the United States and Europe.

1891-92. Education in France; technical instruction in Great Britain; training of teachers in Germany, Austria, and Switzerland; Swiss school system; home training; German universities; civil service in France and Prussia; physical training; classification of graded schools; university extension; care of truants and incorrigibles; co-education of the sexes in the United States.

1892-93. Illiteracy in the United States; public education in Belgium; education in England, France, Ontario, and India; teaching of geography in central Europe; common schools in Bavaria; education in Uruguay; child study; education and the world's Columbian exposition: German criticism of American education; French views of American education; medical instruction in the United States; European comments on American education; American technological schools; world's library congress; education at the world's Columbian exposition.

1893-94. Education in Great Britain and Ireland, France, Italy, and Russia; the psychological revival; reports of the committee of fifteen on the training of teachers, correlation of studies, and city school systems; educational values; public schools in the United States during the colonial and revolutionary periods; geology in the colleges and universities of the United States; university extension; psychological, criminological, and demographical congresses in Europe; expositions at Milan and Lyons.

1894-95. Manitoba school case; education in England, Scotland, France, Germany, Switzerland, Netherlands, and Italy; report of the royal commission on secondary education; higher education in Poland; university education of women in England; educational status of women in different countries; Chautauqua—a social and educational study; pensions for teachers; Bell and Lancaster system; instruction in sociology in institutions of learning; education of the colored race; education in the northwest during the first half century of the republic (1790-1840); American common school system in New England from 1790 to 1840; early educational life in middle Georgia; education and the Talmud.

There is an excellent subject index of the publications of the United States Bureau of Education from 1867 to 1890.

b. State.

Mann, Horace. Reports as secretary of the board of education of Massachusetts. 12 vols. Boston, 1838-49.

The same abridged and edited by George Combe Mann. 4 vols. Lee: Boston, 1891.

I. The situation, construction, and condition of schoolhouses, in regard to ventilation and warming, size, desk, and playgrounds, accompanied by two plans of the interior of schoolhouses; the manner in which school committees perform their duty—neglect in the examination of teachers and enforcement of school attendance; suggested remedies; the low standards of teaching and incompetency of teachers.

II. Evidences of progress in some of the larger towns; discussion of current methods of teaching reading and spelling; selection of reading books and use of dictionary; composition, translation, and formation of a taste for literature.

III. Employment of young children in factories; the school library—its use and character—an exhaustive discussion of the library question.

IV. The evils of small subdivision of school districts; private schools; need of more women teachers; uniformity of text-books; school apparatus; enforcement of school attendance.

V. Moral character of the teacher; preparation for teaching—normal schools, pedagogical books, educational journals, school management; corporal punishment; the schools of the Shakers; value of state education.

VI. Compensation of teachers; school registers; the selection of studies;

the introduction of physiology and hygiene into the schools—a most exhaustive study.

VII. An account of his educational tour abroad; the schools of England, Ireland, Scotland, Prussia, Holland, Belgium, and France; characteristics and superiority of the foreign schools and some comparisons with our own; this was the report that called forth the attacks of the thirty-one Boston schoolmasters; no less than twenty-five pamphlets appeared during the time of the controversy.

VIII. Organization of county and town teachers' associations; use of the Bible in the schools; distribution of school moneys; teaching of vocal music; employment of special teachers.

IX. Appropriations for the support of schools; higher standard of qualification of women teachers; teachers' institutes; school motives and the question of moral education generally.

X. History of the origin of the free school system in Massachusetts; the state's duty to her children; an eloquent plea for state education.

XI. The power of the common schools to redeem the state from social vices and crimes, with expressions on this question from John Griscom, Jacob Abbott, David P. Page, Catherine E. Beecher, and others.

XII. This report was prepared after Mr. Mann had resigned as secretary, and serves as a farewell address. He discusses the advancement made in education—the increase of educational facilities for the normal children of the state, provisions for reforming the juvenile offenders and the humanizing influences under which the mentally deficient had been brought. The care of dependent children and physical education are discussed, and the report closes with a plea for religious—not sectarian—education.

c. City.

Harris, William T. Reports of the public schools of St. Louis, Mo. 12 vols. St. Louis, 1867–79.

The twelve annual reports issued by Dr. Harris during his superintendency of the schools of St. Louis represent the high-water mark of city reports. They sustain the same relation to the literature of city schools which the reports of Horace Mann sustain to state school systems. Among the topics discussed are:

1867–68. The principles of Pestalozzi and their application to object teaching.

1868–69. Methods of teaching reading and spelling; defects of the graded school system; gain to pupils from a mastery of the rudiments.

1869–70. Co-education; industrial education; scheme for a classification of libraries; methods of conducting recitations; local supervision of schools.

1870–71. Moral education and school discipline; education and crime; oral lessons in natural science; instruction in music.

1871–72. Occupations represented in the schools; evil effects of examinations; instruction in English and German; corporal punishment; psychological significance of the several studies.

1872–73. Methods of promotion; psychological effect of Latin and Greek in education; co-education discussed in the light of the history of civilization; the library; outlines of educational psychology.

1873–74. School hygiene and the lessons of statistics; grading, classification, class intervals, and promotions; suspension of pupils versus corporal punishment.

1874–75. The history of the St. Louis public school system.

1875–76. School architecture; philosophy of the kindergarten; education at the Philadelphia centennial exposition.

1876–77. The value of German-English instruction; fitting the pupils for future vocations; half-time schools for primary schools—its economy and hygienic effects; proper school age; results of the kindergarten in St. Louis.

1877–78. The teaching of United States history.

1878–79. Industrial education; influence of works of fiction; syllabus of oral lessons in history; organization of a system of city schools, with a discussion of current practices.

XXII. EDUCATIONAL JOURNALS.

a. American.

1. Historical.

Academician. Albert and John W. Picket, editors. Fonnded 1818. Discontinned 1820. Weekly and monthly. 1 vol. [25 no.]. Incorporated society of teachers: N. Y.

The first educational journal in America; contained many well-written articles, notably the accounts of the Pestalozzian and Lancasterian systems.

Academy. George A. Bacon, editor. Founded 1886. Discontinued 1892. 7 vols. Bacon: Syracuse.

American Annals of Education and Instruction. William C. Woodbridge, editor. Founded 1830. Discontinued 1838. Monthly. Boston.

American Journal of Education. William Russell, editor. Fonnded 1826. Discontinued 1830. Monthly and bimonthly. 4 vols. Boston.

American Journal of Education. Henry Barnard, editor. Founded 1855; discontinued 1881. Monthly and quarterly. 31 vols. Barnard: Hartford.

College Courant. Charles C. Chatfield, editor. Fonnded 1869; discontinued 1874. Weekly. 15 vols. Chatfield: New Haven.

Common School Education. William A. Mowry, editor. Founded 1887; discontinued 1892. Monthly. 6 vols. Mowry: Boston.

Common School Journal. Horace Mann, editor. Founded 1838; discontinned 1848. Monthly. 10 vols. Fowle: Boston.

Connecticut Common School Journal. Henry Barnard, editor. Founded 1838; discontinued 1842. Monthly. 4 vols. Barnard: Hartford.

Journal of the Rhode Island Institute of Instruction. Henry Barnard, editor. 1846–49. Monthly. 3 vols. Barnard: Providence.

Primary Teacher. W. E. Sheldon, editor. Founded 1877; discontinned 1883. Monthly. 6 vols. New Eng. Pub. Co.: Boston.

Public School. T. W. Bicknell, editor. Founded 1882; discontinued 1883. Monthly. 2 vols. New Eng. Pub. Co.: Boston.

2. Current.

American Primary Teacher. Albert E. Winship and W. E. Sheldon, editors. Founded 1883. Monthly. New Eng. Pub. Co.: Boston.

Education. Frank H. Kasson and Frank H. Palmer, editors. Founded 1880. Monthly. Kasson & Palmer: Boston.

Educational Review. Nicholas Murray Butler, editor. Founded 1891. Monthly. Holt: N. Y.

Intelligence. E. O. Vaile, editor. Semimonthly. Vaile: Oak Park and Chicago.

Journal of Education. Albert E. Winship, editor. Founded 1875. Weekly. New Eng. Pub. Co.: Boston.

Pedagogical Seminary. G. Stanley Hall, editor. Founded 1891. 3 numbers a year. Orpha: Worcester, Mass.

School Bulletin. C. W. Bardeen, editor. Founded 1874. Monthly. Bardeen: Syracuse.

School Journal. Amos M. Kellogg, editor. Founded 1870. Weekly. Kellogg: N. Y.

School Review. C. H. Thurber, editor. Founded 1893. Monthly. University of Chicago: Chicago.

Popular Educator. Founded 1884. Monthly. Educ. Pub. Co.: Boston.

Primary Education. Eva D. Kellogg, editor. Founded 1893. Monthly. Educ. Pub. Co.: Boston.

Public School Journal. George P. Brown, editor. Founded 1880. Monthly. Pub. Sch. Pub. Co.: Bloomington, Ill.

Teachers' Institute. Founded 1877. Monthly. Kellogg: N. Y.

b. **English** *(Current).*

Educational Review. Arthur Montefiore, editor. Founded 1890. Monthly. Sutton: London.

Educational Times. R. Wormell, editor. Founded 1847. Organ of the college of preceptors. Monthly. Hodgson: London.

Private Schoolmaster. Edward Markwick, editor. Founded 1887. Monthly. Carr: London.

School Board Chronicle. R. Gowing, editor. Founded 1871. Weekly. Grant: London.

School Guardian. Organ of the national society. Founded 1876. Monthly. National Soc.: London.

Schoolmaster. Founded 1872. Weekly. Edc. Newsp. Co.: London.

Schoolmistress. Founded 1881. Schoolmistress office: London.

Journal of Education. Francis Storr, editor. Founded 1869. Monthly. Rice: London.

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